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Abridged Decimal Classification

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"To learn to classify is in itself an education" — ALEX. BAIN

ABRIDGED

Decimal Classification

and

Relativ Index

for libraries, clippings, notes, etc.

By

Melvil Dewey, M. A. (*Amherst*)

Secretary University of the State of New York; Director New York State Library

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The simplified spellings used in this book are selected from the list recommended for general adoption by the foremost living scholars in English and by the latest and most authoratativ dictionaries; i. e. the English philological society, the American philological association and the *Century* and *Standard* dictionaries. The latter gives all the amended forms in alfabetic order among its regular entries, while the *Century* and all issues of *Webster* since 1894 append the full list of 3,500 words.

Abridged Decimal Classification[a]

EXPLANATION

Before beginning to use the classification at least the paragrafs in large type should be carefully read. Those interested will find still fuller explanation in the smaller type.

This abridgment is made in answer to a strong demand for a short form adapted to the needs of small and slowly growing libraries. They wish short class numbers, but it is a mistake to assume that they will have only works on general subjects. Even the smallest library is likely to have a few books or pamflets on the most specific topics of the omitted subheads, and as these minor subjects will differ in each library, it is obviously impossible to make any abridged classification that will meet every want. Cases will certainly arise that can be met only by the unabridged classification, which aims to include all subjects treated in books, pamflets, or articles.

(See also Relativ subject index, p. 7; Use of index, p. 13.)

Change from short to full form. These short (three-figure) forms can be changed to the full class numbers at any time without other alteration than adding extra figures to those here given.

Plan. In this classification the field of knowledge is divided in nine main classes, numberd 1 to 9. Cyclopedias, periodicals, etc. so general in character as to belong to *no* one of these classes, are markt 0 (naught), and form a tenth class. Each class is similarly separated into nine divisions,

---

a The confusion and annoyance to the many users of this system caused by printing unauthorized variations have forced the publishers to insist strictly on the protection afforded by the copyright laws. Every library and individual user has, however, entire freedom to make such variations as he thinks he needs, under the simple restrictions found necessary to protect the rights of others as explaind on page 19, Letter notations for changes.

general works belonging to *no* division having 0 in place of the division number. Divisions are similarly divided into nine sections, and the process is repeated as often as necessary, but in this abridgment 0 is not used beyond the third figure. Thus 512 means Class 5 (Natural Science), Division 1 (Mathematics), Section 2 (Algebra), and every Algebra is numberd 512. This class number, giving class, division, section and sub-section, if any, is applied to every book and pamflet belonging to the library.

Where 0 occurs in a class number, it has its normal zero value. Thus a book numberd 510 is class 5, division 1, but *no* section; i. e. the book treats of division 51 (Mathematics) in general, and is limited to no one section, while geometry which is so limited is markt 513; 500 indicates a treatise on science in general, limited to no division. A naught occurring in the first place would in the same way show that the book is limited to no class; e. g. a general cyclopedia which treats of all nine classes.

The books are arranged on the shelves in simple numerical order, all class numbers being decimal. Since each subject has a definit number, all books on any subject must stand together. These tables show the order in which subjects follow one another. Thus 512 Algebra precedes 513 Geometry, and follows 511 Arithmetic.

Summaries. The first page of tables shows the 10 Classes into which all topics are divided. The next page shows the nine Divisions of each of the 10 classes, and is useful as a bird's-eye view of the whole scheme.

Tables. Following these two summaries is the abridged classification, which repeats, in proper order, all the classes, divisions, and sections, with such sub-sections as are used in this abridgment. Synonymous terms, examples, brief notes, dates, and various catch-words are often added to the simple heads for convenience of users, who thus get a fuller and clearer idea of the field which each number covers. Therefore all references to numbers should be lookt up in the tables; never in the summaries, which are really only a table of contents of the complete tables.

Choice and arrangement of heads. The selection and arrangement of heads can not be explaind in detail for want of space. In all the work, philosofic theory and accuracy have been made to yield to practical usefulness. The impossibility of making a satisfactory classification of all knowledge as preservd in books, has been appreciated from the first, and theoretic harmony and exactness have been repeatedly sacrificed to practical requirements.

Sequence of allied subjects. Wherever practicable, heads have been so arranged that each subject is preceded and followd by the most nearly allied subjects, and thus added convenience is secured both in catalogs and on shelves; e. g. Building (690) follows Mechanic trades (680) at the end of Useful arts, and Architecture follows near the beginning of Fine arts.

The student of Biology (570) finds fossil life or Paleontology (560) before, and vegetable life or Botany (580) after, this followd in turn by animal life or Zoology (590), ending with Mammals (599); while Useful arts (600) begin with human Anatomy (611) under Medicin, thus giving a regular progression from the fossil plant thru the vegetable and animal kingdoms to the living man.

Coordination. Theoretically, the division of every subject into just 10 heads is absurd. Practically, it is desirable that classification be as minute as possible, without use of added figures; and the decimal principle, on which our scheme hinges, allows 10 divisions as readily as less.

This principle has proved wholly satisfactory in practice, tho apparently destroying proper coordination in some places. In the full classification this difficulty is entirely obviated by the use of another figure, giving nine sub-sections to any subject of sufficient importance to warrant closer subdivision. In history, where classification is made chiefly by countries, a single figure is added, as in the other classes, to give a tenfold geografic division. Wherever naught followd by another figure is added, it indicates a division into periods.

As all history is by countries, and as close geografic subdivisions are needed for local history and various other uses, the rule is whenever the same number is subdivided both geografically and by periods, to insert naught before the time or period figure; the 0 showing a change from geografic to period division, e. g. 942.05 England in time of the Tudors.

As in every scheme, many minor subjects are under general heads to which they do not strictly belong. In some cases, these heads are printed in a distinctiv type; e. g. 429 Anglo-Saxon, under English philology. The rule has been to assign these subjects to the most nearly allied heads, or where it was thought they would be most useful.

Catch-titles. In naming heads. strict accuracy has often been sacrificed to brevity, for short familiar titles seemd more important than that the heads given should express with fulness and exactness the character of all books catalogd under them.

Form distinctions. The classification is mainly by *subject* or *content* regardless of form; but a form distinction for general treatises, which is found practically useful, is introduced at the beginning of the class, where the first numerals would otherwise be unused. These form distinctions apply only to general treatises, which, without them, would have a class number ending in two naughts.

Thus, in Science there are many compends, dictionaries, essays, periodicals, and societies, treating of Science in general, and so having 0 for the division figure, but treating it under different forms, and, therefore, divided into sections according to this form: 501 for philosofy or theories of Science, 502 for compends, 503 for dictionaries. This treatment is as nearly as practicable uniform in all classes. Brewer's *Reader's handbook* is 803, the first figure being 8 because the book is clearly on literature; the second figure 0, because limited to no division of class 8; and the third figure 3, because the book is a dictionary.

Mnemonics. Arrangement of heads has been sometimes modified to secure mnemonic aid in numbering and finding books without the index; thus China has always the number 1. In Ancient history, it has the first section, 931; in Modern history, under Asia, it has 951. Similarly the Indian number is 4; Egyptian, 2; English, 2; German, 3; French, 4; Italian, 5; Spanish 6; European, 4; Asian, 5; African, 6; North American, 7; South American, 8; and so for all divisions by languages or countries. Italian 5, for instance, is in 035, 055, 065, 450, 850, 945, and many others. This mnemonic principle is specially prominent in Philology and Literature, and their divisions, and in *form* distinctions used in the first nine sections of each class. Philosofy, methods, or theory occurring as a head is always 1; dictionaries and cyclopedias, 3; essays, 4; periodicals, 5; associations, institutions, and societies, 6; education, 7; polygrafy or collections, 8; history, 9. In numerous cases several minor heads are groupt together as Other, always numberd 9.

While Italian is always 5, 5 is by no means always Italian. Grammar is 5, Periodicals are 5, Asia is 5, Oratory is 5, etc. Even were it possible, to limit 5 to Italian would waste numbering material, and results would not justify cost. The purpose is to give practical aid, not to follow a fanciful theory. A cataloger marking a German grammar, remembers that all Philology begins with 4, and, as German is always 3 and grammar 5, he knows the number must be 435. Italian (5), poetry (1), is as plainly 851 with no danger of being mistaken for "poetry of grammar" or "theory of Asia," because the numbers also have that meaning. This feature is an *aid*, not the regular method, and in all doubtful cases one refers at once to index or tables. Suggested difficulties are usually creations of ingenious theorists and not an outgrowth of practical experience in using this plan.

Wherever practicable, this mnemonic principle is used in subdividing sections. 558, Geology of South America, is subdivided by adding the *sections* of 980, History of South America. Geology of Brazil then must be 558.1: mnemonicly the first 5 means Science; the second 5, Geology; 8, South America; 1, Brazil. Any library attendant or regular user of the scheme recognizes 558.1 at a glance as Geology of Brazil. This mnemonic feature is of great practical utility in numbering and finding books without catalog or index, and in determining the character of any book simply from its call number. The advantage of mnemonic correspondence has however never outweighd any claim of greater usefulness. In many cases choice between numbers was hardly perceptible; e. g. whether in Philology the order should be French, Spanish, Italian, or French, Italian, Spanish. In such cases, preference was given to mnemonic numbers, and 20 years' experience has now proved this wisest.

Relativ subject index. Following the tables is the most important feature of the system, an alfabetic index of all the heads, which refers by class number to the exact place of each in the preceding tables.

The index might be made on any of the various dictionary plans. The simplest was however chosen. Only short heads are given with a brief indication in doubtful cases of the point of view taken in assigning the class number.

This index is designd to guide both in numbering and in finding books. In assigning numbers, the most specific head that will contain the book having been determind, reference to that head in the Index gives the class number which should be assignd. Conversely, in finding books on any given subject, reference to the Index gives the number under which they are to be sought on the shelves, in the shelf list, or in the subject catalog. Whenever a subject not in this index comes up, it should be lookt up in the full index so that the classification may be uniform with that of other users.

The index aims to give similar or synonymous words, and the same words in different connections, so that any person of intelligence will

hardly fail to get the right number. A reader wishing to know something of the tariff looks under T, and, at a glance, finds 337 as its class-number. This guides him to the shelves, to all the books and pamflets, to the shelf list, to the subject catalog on cards, to the index of books charged at the loan desk, and, in short, in simple numeric order, thruout the whole library to anything bearing on the subject. If he turns to the tables, he will see that it means class 3, Sociology; division 3, Political economy; section 7, Protection and free trade; but the number alone is enough to classify the book or to find it, for either cataloger or reader. If he had lookt under P for protection, or F for free trade, or D for duties, or C for customs, or under any other leading word relating to his subject, he would still have been referd to 337.

Had he lookt for "railroad" he would have found after it 13 separate entries, each preceded by a catchword indicating the phase of the subject in the scheme. A book on railroads may be a treatise on the desirability of government ownership, control, etc., and then is clearly a question of social science; or it may be a practical handbook for an employee explaining business methods of railroading, running trains, handling freight, etc., when it is as clearly one of the useful arts. The cataloger knows to which of these heads his book belongs, and the reader knows which phase of the subject he wishes to examin. Moreover, the 3 and 6 beginning the numbers indicate clearly the character of each class. But even if the significance of these figures were entirely disregarded, no confusion would result; for, on consulting either of the numbers in the catalog, in the tables or on the shelves, the difference would be clearly seen.

What the relativ index includes. This index includes also, as far as found, all synonyms or alternativ names for the heads, and many other entries that seemd likely to help a reader find his subject readily. Tho the user knows just where to turn to his subject in the tables, if he consults the index he may be sent also to other allied subjects; where he will find valuable matter which he would otherwise overlook.

Most names of countries, towns, animals, plants, etc. have been omitted, the Index containing only those which are in the tables; e. g. it can not enumerate all the species of trilobites, but when the classifier has found from the proper reference books that Remopleurides is a trilobite, the index will send him to 565 and he can classify his monograf on that subject.

Relativ location. Economy and simplicity calld not only for the subject index, but also for some plan of consolidating the two sets of marks heretofore used; the one telling

of what subject a book treats, the other where the book was shelvd. By relativ location and decimal class numbers, the simple arabic numbers have been made to tell of each book and pamflet, both *what* it is, and *where* it is.

In arranging books on the shelves, absolute location by shelf and book number is wholly abandond, relativ location by class and book number being one of the most valuable features of the plan.[1] In finding books, the class and book numbers on the backs are followd, the upper being the class and the lower the book number. (*See* p. 17, Book numbers.) The class is found in its numeric order among the classes, just as the shelf is found in the ordinary system. Shelves are not numberd, as increase of different departments, opening of new rooms, and any arrangement of classes to bring books most circulated nearest the delivery desk, will at different times bring different class numbers on any given shelf. New books, as receivd, are numberd and put in place, in the same way that new titles are added to the card catalog.

Not only do all the books on any given subject stand together, no additions or changes ever separating them, but the most nearly allied subjects precede and follow, they in turn being preceded and followd by other allied subjects, as far as practicable. Readers not having access to the shelves find short titles arranged in the same order in the shelf list, and full titles, imprints, subject and cross references, notes, etc. in the subject catalog

Parts of sets, and books on the same or allied subjects, are never separated as they are sure to be, sooner or later, in every library arranged on the old plan, unless the great and needless expense of frequent rearrangement and recataloging be incurd. In this system both class and book numbers remain unchanged thru all changes of shelving, buildings, or arrangement.

Among hundreds of points raisd by librarians, as to its practical workings and usefulness, the only one in which it is

[1]For full explanations regarding forms of book numbers best used with this scheme of classification, see p. 17, and *Library notes* no. 11.

not shown to be equal or superior to the old systems is that in this relativ location a book which this year stands, for instance, at the end of a certain shelf, may not be on that shelf at all another year, because of uneven growth of the parts of the library. This slight objection, however, inheres in any system where books are arranged by subjects, rather than by shelves, windows, doors, and similar non-intellectual distinctions.

Sizes on shelves. Most libraries have abandond close distinction of sizes. It is true that this distinction saves a little space, but at far too great a cost; for every distinction of sizes makes a parallel classification. If books are groupt in five sizes, one must look in five places before he can be sure of having seen all the books on a given subject.

It is better to shelve octavos and all smaller books together in one series, and arrange in parallel libraries only quartos and folios, which are too large to stand on the regular shelves, showing the series in which any oversize book is put, by a size letter prefixt to the book number; e. g. 749 qB, to show that book B on Artistic furniture is too large for the regular shelves, and so is placed in the "q" or quarto series. Another way is too use a wood or pasteboard dummy, to show the location of a book not in its regular place. But, however solvd, there is no conflict between the size problem and the *Decimal classification.* (See also *Library notes* no. 11, vol. 3, p. 428–29.)

CATALOGS

Any system of catalogs may be used with this scheme. But the two essentials of even the simplest system are the author (or preferably name) catalog and the shelf list. The chief use of the system for catalogs is for the shelf list and for the clast catalog on cards.

Name catalog. In the name catalog on cards, arranged strictly by names of authors and of persons or places written about, the class number holds a subordinate place, yet is constantly useful. If printed, it appears in a single colum as in the relativ index, and, where there is no subject catalog, one can rapidly pick out the books on any desired topic by glancing down the colum for the class number wanted.

Shelf list. The class number makes the list the most useful form of brief subject catalog. Each page gives in colums accession number,

author's name, and brief title of every book in the library on the specific subject bearing that class number.

Subject catalog. In the card catalog of subjects the classification is mapt out above the cards by projecting guides, making reference almost instantaneous. Subjects are arranged in the 1, 2, 3 order of their decimal subject numbers exactly as in the classification tables, and the cards of each subject are then further arranged alfabetically by authors.

The printed subject catalog on this plan is also the most compact and satisfactory in use. Under each class number are given the resources of the library on that subject, the heading giving for convenience the name as well as the number of the subject; e. g. "513 Geometry." General notes are printed in finer type under general heads, and an index at the end shows where to open the book to find any topic. As class numbers are put in place of page numbers, this index serves for any catalog, list or library arranged on this plan.

Dictionary catalog. A dictionary card catalog may be as readily used with this system as with any other, but its advantages are largely supplied by the subject index, which is in itself a skeleton dictionary catalog. If however the subject card catalog is clast, the alfabetic index referring to class numbers makes the single set of cards serve both as clast and dictionary catalog. Instead of giving the book titles under each head, the index number refers to all those titles simply and directly.

The advantages of the dictionary and clast catalogs are therefore united, not by mingling them together, and so losing much of the simplicity of one and as much of the excellence of the other, but by really using both, each with its own merits.

SUGGESTIONS TO USERS

In referring to tables, hold the book in the right hand and turn with the left. The class numbers then show very plainly on the left margin and reference is greatly expedited. Some prefer to hold the book in the left hand, but in any case the eye should follow the left margins wholly.

Numeration. In thinking or speaking of the class numbers, to avoid confusion *always divide at the decimal point, and name it;* e. g. read 942.9, "nine forty-two, point nine," never "ninety-four twenty-nine." If "point" were omitted the ear might readily interpret 270.2 as 272, while "two seventy, point two" can never be misunderstood.

Number of figures used in class number. In very small collections two figures might do till growth required further

division; but it is economy, and saves handling the books a second time to use at least three figures at first, even in the smallest collection.

Whether there are one or 1,000 books on any topic, they take no more space on the shelves if clast minutely, and the work is done once for all. When large accessions come, even if a century later, this number will not have to be alterd. A library having only 20 books on economics should use the full scheme, for the whole 20 would go on a single shelf, and take no more room, and the index would refer more accurately to what was wanted. The number of books you have on any subject has in this system no special weight. In a relativ location, any number of consecutiv topics without a book yet in them, waste no space on shelves or in catalogs; the numbers are merely skipt. This plan not only does no harm, but has the considerable negativ value that looking for the number and finding it blank or skipt, shows that you have nothing on the subject, —a piece of information second in value only to finding something, for one need no longer search.

The practical objection to close classing is that it gives a longer number to charge in a lending library. In a reference library full sub-sections should be used. Where a short number is imperativ, it is well to give the full class number on another part of the book plate, not to be used in charging, but as a guide to the contents of the book. Thus when a classifier has once examind a book, and found out just what it is about, the record is preservd for the benefit of others.

Familiarity with tables. Get a general knowledge of the scheme by learning the 10 main classes (you will soon know the 100 divisions also without special study), so that you can tell to what subject a given number belongs from its first figure without referring to the tables. Specific knowledge of subdivisions will come gradually, but rapidly, from use. Using the tables alone, and then always verifying your result by the index, you will more rapidly acquire knowledge of the classification and facility in its use. To do this decide first to which of the 10 classes the subject belongs; next, take that class as if there were no other, and decide to which of its 10 divisions the subject belongs; then, in the same way, select section and sub-section, thus running down your topic in its grooves, which become tenfold narrower at each step.

Use of index. *As a check against error, use the index freely* even tho familiar with the scheme.

By consulting the index of the complete classification, subjects omitted in this abridgment will be found assignd with allied subjects to the proper head. Reference to this full subject index will decide at once most doubtful points, and no topics omitted from the abridged tables and index should be numberd without such reference, as otherwise great annoyance may result from finding that the number used conflicts with that on the great mass of printed and ms catalogs, cards, indexes and other bibliografic aids arranged by this system.

Subject of a book. To determin the subject of a book consult: —

1 **The title,** since it is generally chosen to show what the book is about. But, as many titles are misleading, never class from title alone, but always examin also

2 **Table of contents,** which is the best guide to the true subject. If there is no table of contents read

3 **Headings of chapters,** or marginal topics.

4 **Preface.** Unless already certain, glance thru this to catch the author's point of view, and verify impressions gaind from title and contents.

5 **Reference books.** If preceding means fail, consult reliable bibliografies, clast and annotated catalogs, biografic dictionaries, histories of literature, cyclopedias, reviews, etc., for information about the character of the book.

6 **Subject-matter.** If the five shorter methods above fail, examin the subject matter of the book itself, and if still in doubt, to avoid mistakes, put aside on an "under consideration" shelf till you can examin more thuroly or consult.

7 **Specialists.** Experts, competent to define their true subject and relation, are usually glad to examin any new books in their departments enough to class them. Old ones they know where to put already.

After deciding what the book is about, find this subject in the tables, either thru the index or by using the tables directly, which for the beginner is a longer process, seldom to be trusted without subsequent reference to the index; e. g. Pollock's *Land laws* might naturally be clast from the

tables alone as "333, Land; ownership; rights; rent," which seems exactly to fit this book. The index, however, shows two numbers, both referring to land laws, but from different points of view; viz, 347, legal, and 333, economic. The object of this book, as seen in the preface, is to give a popular presentation of English statutes pertaining to landholding, not to discuss the history and theory of land laws from the economist's point of view; and it should be clast "347, Realty," which might have been missed but for the index.

Assigning class numbers. 1 Practical usefulness is the chief thing. Put each book under the subject to the student of which it is most useful, unless local reasons "attract" it to a place still more useful in your library. See p. 16, § 7.

2 The *content* or the real subject of which a book treats, and not the *form* or the accidental wording of the title, determins its place. Following this rule, put a philosofy of art with Art, not with Philosofy; a history of mathematics with Mathematics, not with History; for philosofy or history is simply the *form* which these books have taken. Their true content or subject is Art or Mathematics, and to the student of these subjects they are most useful.

3 Always remember that the question is not where one would probably look to find a particular book, but under what subject is the book of greatest value; e. g. it is of little consequence whether "one would be apt to look" under 595 for Darwin's *Formation of vegetable mould*, but of much consequence that one studying earthworms should find that book in "595 Worms," since it is chiefly valuable as a study of the habits of earthworms. Any one wanting that special book should look for it in the name catalog under Darwin.

4 Assign every book to the most specific head that will contain it. This will vary in different libraries according to the number of figures used, e. g. the specific head for "compulsory vaccination" in the full tables is 614.4738; but in a library using only three figures, the most specific number possible is 614, which includes everything on public health.

If there are only 10 books on a given subject it is useful to have them still farther groupt by topics or form of treatment, for otherwise, they have only accidental order which is of service to no one. If a reader wishes a specific subject, he is sent instantly to the exact place by the subject index; if, however, he wishes a specific book, he should go, not to the shelves, but to the name catalog, where he can find its place quickest. If he wishes to study the library's resources at the shelves, he will be *greatly helpt by close classing*.

A library recently adopted the plan of putting all books of a division together, if they had but few; e. g. all mathematical works were markt 510. It took just as many figures, cost just as much labor in most cases, and, if a man wanted the one calculus in the whole library, he had to search through the 150 volumes in 510, when otherwise he would instantly have found it standing alone as 517.

A teacher showing his pupils the material on any subject, if there are only 20 books, would surely put together those covering the same points, even if there were but two. Much more should librarians group closely their greater collections, that readers may gain something of the advantages of an experienced guide.

This gives every specialist his own distinct library. If a student of science in general, he is sent to class 5; if his department be zoology, his library is 59; if his specialty is shells, he finds all works and references on that subject in library 594. Whether a specialist needs it or not, every subject being a library by itself shows resources and wants as no catalog can show them. A catalog can not be made to take satisfactorily the place of handling books themselves. This advantage weighs most in a college or society library, where many go to the shelves; but even if librarians only are admitted, close classification is worth its cost in the added power it gives.

5 The predominant tendency or obvious purpose of a book usually decides its class number at once. Still a book often treats of two or more different subjects. In such cases assign it to the place where it will be most useful, and make references under all subordinate subjects. Give these reference numbers both on book plate and subject card, as well as on reference cards.

It is one of the markt advantages of the plan that these references, notes, etc., may be added from time to time as found convenient. It is necessary at first to find only the predominating tendency of the book in order to classify it. Subject references are added whenever found necessary.

Add these numbers indicating more closely the character of the book as rapidly as possible, and invite all specialists to call the librarian's attention to every desirable subject reference noticed in their reading. These numbers take little room, are easily added, and in most cases are very valuable.

6 If two subjects have distinct page limitations, class under the first, and make analytic reference under the second. But if the second is decidedly more important or much greater in bulk, class under that, with reference under the first. Always put a book under the first subject, unless there is good reason for entering it under another.

7 Consider not only the scope and tendency of each book, but also the nature and specialties of each library.

Any subject of which a library makes a specialty naturally "attracts" allied subjects. This influence is strongest in minute classification. To admit this variation, many subjects in the present scheme have two or more places, according to these different sides; e. g. a book on school hygiene, which a medical library puts under 613, has also a place in 371, where the educational specialist requires it.

8 If a book treats of a majority of the sections of any division, give it the division number, instead of the most important section number with subject references. Unless some one section is so prominently treated as to warrant placing the book in it, class a book on four or more sections under the division number; e. g. class a volume on light, heat, and sound, under the head most fully discust, and refer to it from the others; but if it treats also of mechanics, class as 530, or general physics, tho no mention be made of hydrostatics, pneumatics, electricity, magnetism, or molecular physics.

9 To secure uniformity, make notes for future reference of all difficulties and decisions; for it is even more important to put books on the same subject together than to put them in the absolutely correct place. These notes should be written either on the broad margins of the classification tables, or on an interleavd copy, or on standard-size slips arranged by class numbers, like the clast catalog. (See also p. 23, Index rerums.)

10 Keep collected works, libraries, etc. together, and assign them like individual books to the most specific head that will contain them; or assign to the most prominent of the various subjects on which they treat, with subject references from the others; or separate and class the parts as independent works.

This last practice constantly grows in favor, and many librarians now largely disregard uniform bindings and "series" lettering, and, unless contents of volumes are so connected that they can not be separated, class each under the most specific head that will contain it.

11 Class translations, reviews, keys, analyses, answers, and other books about specific books with the original book, as being there most useful.

Book numbers. With this abridged classification the following rough alfabetic arrangement of books in each class by author's surnames is recommended:

Keep together names beginning with the same letter by marking books by the first author under any letter with the initial of the author's surname; books by the second author under that letter with the author's initial followd by 1. Use the same initial and figure for all books by the same author in any one class, and distinguish different books by adding lower-case letters. E. g. if in class 942, History of England, the first books under G were Green's *History of the English people*, Gardiner's *Outline of English history*, Guizot's *History of England* and Green's *Short history of the English people*, and were receivd in the order named, the book number of Green's *History* would be G, Gardiner's *Outline* would be G1, Guizot's *History* G2, and of Green's *Short history* Ga.

In order to keep lives of the same person together book numbers in individual biografy should be assignd from the name of the person written about instead of from name of writer. These biografies are markt B and arranged in a single alfabetic series.

For fiction, omit the class number altogether and alfabet by authors' surnames. Both fiction and biografy should be numberd by the author table devised by C: A. Cutter, and different books by the same author distinguisht by adding a, b, c, etc. to the Cutter number.

For a full discussion of book numbers see *Library notes* no. 11, which is wholly given up to an explanation and tables of the systems which have been found most useful.

VARIATIONS PRACTICABLE IN ADJUSTING TO SPECIAL LOCAL REQUIREMENTS

Some users assume that adoption of the *Decimal classification and relativ index* carries with it other parts of the general system which the author has used at Amherst, Wellesley, or Columbia colleges or in the New York state library. In fact, the plan in each of these libraries differs somewhat from all the others, and many of the more than 300 libraries now using this system have adopted still other variations ; for the special constituency, circumstances, and resources of each library must be considerd in deciding what is best for it. This decision should be made by one familiar, not only with the library and its needs, but also with all methods of any merit and the comparativ ease and cost of introducing them into any given library.

Cautions. Having decided to adopt the system in its decimal form as workt out and printed, it must be determind whether to adopt certain variations, noted in 1–4 below as practicable, and in some cases useful and desirable. The inexperienced user is very likely to feel entirely competent, after once reading the tables (in fact, without reading more than a single page regardless of its bearings on hundreds of other places, and without so much as looking at the author's explanations), to institute a series of "improvements." Experience proves that nothing could be more disastrous. It seems a simple matter to put a topic a line higher or lower, but in some cases this may affect over 100 different entries in the index, and there is no possible way to be sure of correcting them except by examining each of thousands of heads. Any changes except as authorized under the next heads, would conflict with the full tables, so that closer classification, if required later by the growth of the library, could be made only by changing whole numbers instead of by simply adding extra figures. Care has been taken that no number in this short form should vary from that in the full tables ; e. g. instead of printing as the number for Ireland only 941.5, the numbers 941.6–.9 are given for the different groups of counties, just as in the full tables. If the numbers for these counties were designated by adding figures to 941.5, the closer classification would be omitted in this edition, for small libraries are not likely to have enough on Ireland to make subdivision necessary. But if the books on the various Irish counties were all numberd 941.5 the number would disagree with those on all printed catalog cards and cooperativ lists and, if the change to full class numbers should ever be made, the last figure on every book and on every record of that book would have to be alterd, while nothing would have been gaind originally in brevity.

Frequently proposed changes, carefully studied out and submitted as improvements, are shown by our old records to have been adopted and used in the exact form proposed, till considerations which had not been foreseen forced us to change to the form as printed. Even after years of

experience one is not safe in pronouncing on an apparent improvement without consulting the voluminous records of previous experiments. Even those who have used the system longest have sometimes been misled into adopting changes which on trial they were compeld to reject, going back to the original form at the cost and confusion of two changes.

The user who adopts the printed form avoids the criticism sure to be aimd at any possible scheme. The moment he makes one "improvement" he must defend all the heads or alter them to suit each critic. Much time is saved by saying that the scheme is used as printed, and blunders are the author's, not the user's. The cooperation of those interested is invited in eliminating any errors found either in tables or index.

The following brief notes show the most important variations found practicable in the "relativ index system," oftener called the "Decimal or Dewey system."

1 **Letter notations for changes.** To protect other users from confusion, the publishers insist, as the copyright entitles them to, that these numbers shall not be printed with changed meanings without some clear indication of the fact in the number itself. If the reasons that led us to adopt the form printed are not conclusiv to another, we wish to remove any obstacles to his use of the system with such changes as shall satisfy him. This can be readily done by using a letter, or some other character than the 10 digits, to mark changes, e. g., if you wish a different set of subdivisions under 630, make it out to suit, and number it 63a, 63b, 63c, etc. It will arrange in its exact place and exact order without difficulty, and no other user of the system will be confused by the numbers. In the index, cancel the 1, 2, 3, etc., you have discarded, and write in the a, b, c, etc., adopted. **Whenever you use our exact numbers, use also our meanings for them exactly as indext.** If you wish to change a head from one place to another, cancel it where it stands, and *leave that number blank* in the tables. Then insert the head in its new place by the use of a letter instead of the figure omitted as above, as if it had never been in the tables.

This plan of introducing letters or other symbols wherever each user pleases, will give all needed freedom to the personal equation and desire for originality, and meets all real wants for peculiar classification in peculiar cases.

Fiction and juvenils. In some cases it is usually best to modify class numbers by letters as above. In popular libraries half the circulation is often fiction. A great saving is effected here by omitting the class number entirely, as directed in these abridged tables, and using merely the book number, it being understood that *no* class number means fiction. After fiction, their great circulation makes juvenils a good place to economize, if they are kept separate. The

books are clast exactly as if for adults, then a J is prefixt to show their special character. This gives J alone as the class number for juvenil fiction, and J942, for a child's history of England. These are then arranged in a parallel library by themselves, so that J942 comes between J941, juvenil history of Scotland, and J943, juvenil history of Germany.

If at any time it seems desirable to abandon the separate J library, it can be done without altering a number, by distributing the J books among the regular classes, either ignoring the J entirely, or preferably by putting all the J books by themselves at the end of each class number.

There are thus three methods: 1, to have a separate J library; 2, to have the J books by themselves at the end of each class number; 3, to have the J books in alfabetic order among other books on the same subject. In this last case the J is useful only to call attention plainly to their juvenil character.

The same marking is used for all these plans, and one can be changed into the other by simply distributing the books the other way, and telling the attendants that it has been done. Juvenil books go with adult books of the same class, unless a special J library is made containing all juvenils.

Biografy. Similarly it is recommended that the large class of individual biografy, as to the best treatment of which there is great difference of opinion, and should be markt B in place of the subject number. *See* p. 15, Book numbers; and tables "920 Biografy."

Instead of the plan printed in the tables, biografy may be distributed as far as possible among the subjects it illustrates, leaving, of course, under B lives not bearing specially on any subject; e. g. all lives of musicians go under 780 and its subdivisions, the life of Wagner being 782. Even in this arrangement it is better to indicate that it is biografy, putting B before the class number; i. e. mark Wagner's life B782. (See also Book numbers, p. 17.)

Parallel libraries. This treatment of fiction, juvenils, and biografy illustrates the principle of parallel libraries. Its other chief application is for reference and language collections. Some libraries have a constituency not reading English, and so need a parallel library in German, or Swedish, or French, etc. This is most easily made by simply prefixing the initial of the language to the class number. The German parallel library is

made by simply putting all G's together and arranging by class numbers. This plan has proved very satisfactory in actual use.

To separate books most needed for reference, mark R before class numbers, and arrange the books together, as an R library. When the books are to go into the general collection again, a line can be drawn thru this letter. In the same way it often happens that a general private library is given on condition that it be kept together; e. g, the Phœnix library of Columbia college. This has P prefixt to the class number, and thus is a parallel library by itself. An initial is better in such cases than a * or similar mark, since the initial helps the memory and is just as brief. The same plan applies, of course, if the library has an "inferno" for books not used without permits, or more distant rooms where books worth keeping but seldom calld for can be arranged in a parallel storage library.

Combining language and literature. The same principle can be applied also in combining each language with its literature, if it is preferd to abolish the class, Philology, and make it simply an appendix to Literature. The reverse would hold true if a philologist wisht to abolish Literature and make it an appendix to Philology; e. g. using 82p for English philology, and adding philology subdivisions, English dictionaries would become 82p3, English grammars 82p5, etc., and arrange either just before or just after English literature, 820, 821, etc. For a better plan see below, Broken order.

2 Broken order. Another common and often desirable variation for shelf arrangement is to break the sequence of the numbers, in order to get books most used nearest the delivery desk. The strict theory is to keep the whole 1000 numbers in exact sequence; but a higher rule to be obeyd everywhere is to sacrifice any theory for a substantial gain. Practically it will seldom happen that it is not best to break the order of the classes. Often divisions are best arranged out of numeric place; e. g. 520 Astronomy may be wanted in a room accessible at night; fiction, juvenils, and biografy are always wanted near the delivery desk in a public library, and in strict order are as likely to come at the most distant point. Various local reasons may make a broken order desirable. There need be no hesitation in adopting it if enough is gaind, but there should be charts clearly showing where each division starts; e. g. after 430 "Preceding 830;" after 520 "In observatory." The rule is to specify where books may be found that have been entirely removed from the general library arrange-

ment. The page of 100 divisions is reprinted on cards with wide margins for just this use. Opposit each division is markt its beginning on the shelves, and it is easy to vary the order as much as necessary, tho of course the nearer the divisions run in regular order 1 to 99, the easier it is for a stranger to find his way about. Wherever variations from the printed order are made, a wood or cardboard dummy in the regular place should have markt on its side the present location of the subject removed; e. g. "491 will be found preceding 891."

This broken-order plan is best for bringing together the philology and literature of each language without altering numbers or prefixing any letter. Let 420 be shelvd just ahead of 820, 430 ahead of 830, and so for all languages, making the general note that all 400's are shelvd just ahead of the corresponding 800's.

3 Pro and con division of topics. In many cases it is very useful to separate the books on a topic with strongly markt sides, so that either set of views and arguments may be seen by itself; e. g. 337, Protection and Free Trade. The number alone may be used for general works, giving facts, etc., and advocates and opponents may be separated by + and — for positiv and negativ, or by p and c, the initials for pro and con, words which, tho short, are too long for a circulating library to charge. In reference libraries, on cards, etc., most will prefer to write out *pro* and *con*, to distinguish the two groups. The order on the shelves is, of course, alfabetic, viz 337, 337c, 337p; or if + and — are used, the usual order is followd: +, —. These letters or signs should be written above or prefixt to the class number, for if written 337c, 337—, etc., the space at the end should be left free for other figures if it were decided later to class more closely.

4 Unassignd numbers. The one and two figure numbers 1–99 are available for special uses without confusion with tables or index, for initial 0 is printed in the tables and index for all numbers before 100. In classification it sometimes happens that the first two figures are obvious at a glance, but time must be taken to determin the third. It is convenient to write these first figures, but if a mathematical book receives its first two figures (51), this unfinisht number is liable to be confused with the two-figure number 51. This danger may be largely avoided by writing the decimal point after a blank; e. g. 51 ., to show that a figure is omitted.

These four notes suggest the range of variations that may be made in the *Decimal classification* and illustrate its adaptability to widely different conditions. For book numbers which decide the order of material after it is groupt into its final classes, *see* page 17 and *Library notes* no. 11.

OTHER USES

Tho the system was devised for library catalog and shelf arrangement, 22 years' use has developt many new applications; but the essential character of the plan has remaind unchanged from the first. Nearly every administrativ department feels directly the great economy, and in every field of literary activity this classification has been found a labor-saving tool, whose practical usefulness has exceeded the most sanguin hopes of its early friends.

Bookstores. The plan is a great convenience to both dealers and customers, when applied to the miscellaneous stock of a bookstore. Very often a much-wanted book, specially if not recently publisht, is reported "not in stock," when such an arrangement by subjects would have revealed its place at once. Specialists often find on the shelves books that they would never have orderd, but are glad to buy after examination. Experience proves it a profitable thing for a dealer to arrange his books so that each person may find those in which he is interested without examining the entire stock.

Scrap books. The plan has proved of great service in preserving newspaper clippings. Scrap sheets of uniform size are used, with the class number of the subject written in the upper corner of the front edge of the page, and clippings are mounted on the sheet as in a common scrap-book. When one sheet is full, another is inserted at the exact place. Thus perfect classification is kept up without blank sheets, and at the smallest outlay of money and trouble. This "L. B. scrap book" is for most persons the best form. These sheets are then arranged numerically like the subject card catalog, the sheets of each class being farther arranged, when desirable, under alfabetic subheads. Scraps thus mounted are shelvd either in manila pamflet cases or in patent binders.

Index rerums. These are best made on the standard P size (7.5 x 12.5 cm), card or slip. Long study and experience prove that the stock L200[a] is best for private indexes, etc. It costs only half as much as the Br 400,[a] which is largely used for public library catalogs, takes only half the room, and gives great satisfaction.

Where durability and convenience of handling are less important than the strictest economy, common heavy writing paper may be used; but most novices greatly diminish the usefulness of the card system by using ordinary machine-cut cards or slips which vary in hight so much as to make quick and accurate manipulation impossible. The extreme variation that should be tolerated is 1 millimeter or $\frac{1}{25}$ in. This will be understood by placing a 7.4 cm card between two 7.5 cm cards. The fingers make a bridge across the taller cards and the lower one is missed entirely in rapid turning. Cards must be cut by accurate gages or they will lose

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a This is a catalog number of the Library Bureau. L200 means linen ledger paper of which a square meter weighs 200 grams. Br 400 means bristol weighing 400 grams to the square meter.

half their value, and in many cases make it necessary to recopy the material at a cost tenfold greater than to have thrown away the imperfectly cut cards or slips.

The class number is written in the upper left corner, any alfabetic subject head follows at the right, and notes fill the card below. The cards are then filed in order of class numbers like the subject card catalog, the cards of each class being farther arranged, as in case of the scrap sheets, according to any alfabetic subheads. Scores of devices for convenient handling and storing of these slips and of scrap sheets and pamflets are already manufactured. Details will be found in the full descriptiv and illustrated catalog.

Another admirable form is similar to the L. B. scrap-book or shelf list; in fact, it is simply a shelf list without the printed head and colum lines. The subject number goes in the upper corner, and all notes on that subject are written on the sheet below. This book fits an ordinary shelf, has the advantage of a full letter page in sight at once, and holds over five times as much as the postal card. Of course the system can be applied to slips or sheets of any size, but there are literally hundreds of accessories and conveniences exactly adapted to these two sizes, which are used tenfold more than all others combined; so it is folly for one to begin on another size, and lose the advantages of this uniformity. If intermediate sizes must be had, the ones most used and least objectionable are Note, 12.5, x 20 cm, and Magazine, 17.5 x 25 cm. There are repeated cases where users of some other size have finally found it profitable to change to either the Postal, 7.5 x 12.5, or to the Letter, 20 x 25 cm, even at the cost of rewriting many notes.

Note books are best in this last described form. The much poorer method is to take a bound blank book, and assign the class numbers in order, giving about the space it is thought each will require, and, when the pages so assignd are full, note at the bottom of the page where the subject is continued. This has all the objections of the old fixt location as compared with the relativ, and will hardly be adopted by any person who has ever seen the simplicity and economy of the shelf-list system.

Topical indexes. The class numbers are used in indexing books read, usually by making the entries in the index rerum under proper numbers. The number takes the place of a series of words, and the results can be handled, arranged, and found much quicker because of the simple numerals.

The advantages of the system for making topical indexes of collected works, periodicals, transactions, etc. are evident. These consolidated indexes may be arranged together with the card catalog of the books, or by themselves, as seems best in each case.

It would exceed the limits of this brief description to notice all the varied applications of the system. Enough have been mentiond to show its wide adaptability to the wants of the librarian and the student.

FIRST SUMMARY

CLASSES

0. GENERAL WORKS
1. PHILOSOPHY
2. RELIGION
3. SOCIOLOGY
4. PHILOLOGY.
5. NATURAL SCIENCE
6. USEFUL ARTS
7. FINE ARTS
8. LITERATURE
9. HISTORY

SECOND SUMMARY

DIVISIONS

000	**General Works.**	**500**	**Natural Science.**
010	BIBLIOGRAPHY.	510	MATHEMATICS.
020	LIBRARY ECONOMY.	520	ASTRONOMY.
030	GENERAL CYCLOPEDIAS.	530	PHYSICS.
040	GENERAL COLLECTIONS.	540	CHEMISTRY.
050	GENERAL PERIODICALS.	550	GEOLOGY.
060	GENERAL SOCIETIES.	560	PALEONTOLOGY.
070	NEWSPAPERS.	570	BIOLOGY.
080	SPECIAL LIBRARIES. POLYGRAPHY.	580	BOTANY.
090	BOOK RARITIES.	590	ZOOLOGY.
100	**Philosophy.**	**600**	**Useful Arts.**
110	METAPHYSICS.	610	MEDICINE.
120	SPECIAL METAPHYSICAL TOPICS.	620	ENGINEERING.
130	MIND AND BODY.	630	AGRICULTURE.
140	PHILOSOPHICAL SYSTEMS.	640	DOMESTIC ECONOMY.
150	MENTAL FACULTIES. PSYCHOLOGY.	650	COMMUNICATION AND COMMERCE.
160	LOGIC.	660	CHEMICAL TECHNOLOGY.
170	ETHICS.	670	MANUFACTURES.
180	ANCIENT PHILOSOPHERS.	680	MECHANIC TRADES.
190	MODERN PHILOSOPHERS.	690	BUILDINGS.
200	**Religion.**	**700**	**Fine Arts.**
210	NATURAL THEOLOGY.	710	LANDSCAPE GARDENING.
220	BIBLE.	720	ARCHITECTURE.
230	DOCTRINAL THEOL. DOGMATICS.	730	SCULPTURE.
240	DEVOTIONAL AND PRACTICAL.	740	DRAWING. DESIGN. DECORATION.
250	HOMILETIC. PASTORAL. PAROCHIAL.	750	PAINTING.
260	CHURCH. INSTITUTIONS. WORK.	760	ENGRAVING.
270	RELIGIOUS HISTORY.	770	PHOTOGRAPHY.
280	CHRISTIAN CHURCHES AND SECTS.	780	MUSIC.
290	NON-CHRISTIAN RELIGIONS.	790	AMUSEMENTS.
300	**Sociology.**	**800**	**Literature.**
310	STATISTICS.	810	AMERICAN.
320	POLITICAL SCIENCE.	820	ENGLISH.
330	POLITICAL ECONOMY.	830	GERMAN.
340	LAW.	840	FRENCH.
350	ADMINISTRATION.	850	ITALIAN.
360	ASSOCIATIONS AND INSTITUTIONS.	860	SPANISH.
370	EDUCATION.	870	LATIN.
380	COMMERCE AND COMMUNICATION.	880	GREEK.
390	CUSTOMS. COSTUMES. FOLK-LORE.	890	MINOR LANGUAGES.
400	**Philology.**	**900**	**History.**
410	COMPARATIVE.	910	GEOGRAPHY AND DESCRIPTION
420	ENGLISH.	920	BIOGRAPHY.
430	GERMAN.	930	ANCIENT HISTORY.
440	FRENCH.	940	Modern. EUROPE.
450	ITALIAN.	950	ASIA.
460	SPANISH.	960	AFRICA.
470	LATIN.	970	NORTH AMERICA.
480	GREEK.	980	SOUTH AMERICA.
490	MINOR LANGUAGES.	990	OCEANICA AND POLAR REGIONS.

General works

010 Bibliografy

011 General bibliografies. Universal catalogs

011 is by Authors. If by Subjects they go in 016.

012-016 include both bibliografies and catalogs. 017-019 is limited to catalogs of general collections.

012 Of individual authors

Alfabeted by bibliografees, not by compilers; e. g. Chaucer, Dante, Ruskin, etc.

013 Of special classes of authors

e. g. Books written by Jesuits, by Roman catholics, by members of the Bavarian academy, etc., or these may go with the church, society, etc. with references here.

014 Of special forms. Anonyms, pseudonyms, etc.

015 Of special countries

Books publisht in the country. Publishers' lists, current publications. Bibliografy of books publisht in England, as Lowndes or English catalog.

The history of literature, i. e. belles lettres, poetry, drama, fiction, etc. goes, of course, with those topics in 800; but the literary history of any given place or period covering the writings on all subjects as well as in literature, is bibliografy, and goes usually in 015, tho the literary history of some special class is 013.

016 Of special subjects

Bibliografy of

.1 philosofy
.2 religion
.3 sociology
.4 philology
.5 natural science
.6 useful arts
.7 fine arts
.8 literature
.9 history

Library and sale catalogs

Catalogs of any special subject, whether subject, author, or dictionary, go under its subject number, in 016, which is the ruling heading wherever it conflicts with another. 017-019 therefore includes only catalogs of general collections, limited to no one class or subject.

017 Clast catalogs. Systematic or logical

For all forms of alfabetic subject catalogs, see 019. See 016 for Bibliografies.

018 Author catalogs See 011 for Bibliografies.

A volume containing both author and subject catalogs is more useful in 017. 018 includes accession, chronologic, and any other forms (except subject and dictionary) of catalogs of collections.

019 Dictionary catalogs. Alfabetico-clast, etc.

020 Library economy

021 Scope and founding of libraries

022 Buildings See also 727, Architecture of educational buildings

023 Government and service

024 Regulations for readers

025 Administration. Departments

025 is for the librarian's part. The trustees build and furnish (022); make rules for government and service (023), and regulations for readers (024); but the administration involves questions of its own, which, however, are closely allied to topics in 021-024 and elsewhere; e. g. the librarian must know his side of binding, and be able to give proper directions and supervision, but need not know all the details of the binder's craft (686).

Administration includes Supervision; Acquisition; Utilization; Preservation; i. e. the librarian's duty to books is to Get, Use, Keep.

026 Libraries on special subjects

Histories, reports, statistics, bulletins, handbooks, circulars, and everything about the library not more required in one of the sections above; e. g. a Medical library, a Chess library, but the catalog of a Chess library is 016.7; blanks, etc. from any library go in 025, as more used in studying topics; but, if history of individual libraries is specialized, duplicates are also desirable under the library in 026-027, thus making a complete set of its publications.

027 General libraries

This includes both circulating and reference; i. e. all not limited to special subjects.

028 Reading and aids

See also 374, Self education.

029 Literary methods and labor-savers

Much in 025 and 028 belongs equally under 029 in its full meaning, but practical convenience is best servd by keeping such material under those heads instead of separating a part here.

030 General cyclopedias

031 American

e. g. Appleton, International, Johnson.

032 English

e. g. Britannica, Chambers.

033 German

e. g. Brockhaus.

034 French

e. g. Larousse.

035 Italian

036 Spanish

037 Slavic

038 Scandinavian

039 Minor languages

040 General collected essays

041 American
042 English
043 German
044 French
045 Italian
046 Spanish
047 Slavic
048 Scandinavian
049 Minor languages

050 General periodicals, magazines

051 American
e. g. Atlantic, Century, Harper's, Scribner's.
052 English
e. g. Athenæum, Blackwood's, Contemporary
053 German
054 French
055 Italian
056 Spanish
057 Slavic
058 Scandinavian
059 Minor languages

060 General societies, transactions

061 American
062 English
063 German
e. g. Academies of Berlin, Vienna, etc.
064 French
065 Italian
066 Spanish
067 Slavic
068 Scandinavian
069 Minor languages

070 General newspapers. Journalism

071 American

e. g. Albany argus, N. Y. tribune, Nation, Harper's weekly.

072 English

e. g. Times (London), Saturday review, Spectator.

073 German

074 French

075 Italian

076 Spanish

077 Slavic

078 Scandinavian

079 Minor languages

080 Special libraries. Polygrafy

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088

089

Left blank to be used (if preferd to prefixing an initial) for general collections of books which by terms of gift or for other cause must be kept together. This must be kept distinct from 040 where the individual books are polygrafic, i. e. are bound pamflets, essays, addresses, scrap or note books, etc., too general in scope to go under any single class. Juvenils could be put here, but are better kept in a separate class, markt J.

090 Book rarities

Books about these topics, and those chiefly valuable because of their rarity, go here.

A rare early edition of Shakspere goes in 822 with reference from 094. 090 is mostly used for grouping references to books located elsewhere.

091 Manuscripts. Autografs

Photografs of mss go with subject rather than here.

For Diplomatics and Paleografy, see 417, and under the special language 421, 431, etc.

092 Block books

093 Early printed books. Incunabula

094 Rare printing

Aldines, Elzevirs, Caxtons, etc.; privately printed books; unique books.

095 Rare binding

Noted binders, costly ornament, curious bindings.

096 Rare illustrations or materials

Illuminated. Illustrated by inserted plates. Printed on vellum, silk, bark, etc., in gold or silver letters, etc.

097 Ownership. Book plates. Ex libris

098 Prohibited. Lost. Imaginary

099 Other rarities. Curiosa. Minute size, etc.

Philosofy

100 Philosofy, general works

Works limited to none of the nine divisions.

101 Utility

102 Compends. Outlines

103 Dictionaries. Cyclopedias

104 Essays. Lectures. Addresses

105 Periodicals. Magazines. Reviews

106 Societies. Transactions. Reports

107 Education. Study and teaching

108 Polygrafy. Collected works. Extracts, maxims, etc.

109 History of philosofy

110 Metaphysics

111 Ontology

Nature of being. Substance and form.

112 Methodology

Philosofical classification of knowledge. Terminology. For book classification see 025.4.

113 Cosmology

114 Space

115 Time

116 Motion

117 Matter

118 Force

119 Quantity. Number

120 Other metaphysical topics

121 Theory of knowledge. Origin. Limits

122 Causation. Cause and effect

123 Liberty and necessity See also 159, Will.

124 Teleology. Final causes

125 Infinit and finite

126 Consciousness. Personality

127 Unconsciousness. Automata

128 The soul See also 218, Natural theology; 237, Future state.

129 Origin of the individual soul

130 Mind and body. Anthropology

131 Mental physiology and hygiene
132 Mental derangements
133 Delusions. Witchcraft. Magic
134 Mesmerism. Animal magnetism. Clairvoyance
135 Sleep. Dreams. Somnambulism
136 Mental characteristics See also 131, Mental physiology.
137 Temperaments
138 Physiognomy
139 Phrenology. Mental photografs, etc.

140 Philosofic systems

General discussion of each system; do not attempt to label each writer as an exponent of some system. Collected philosofic works of individual authors are clast in the sections, 180-199; class individual work according to subject.

141 Idealism. Transcendentalism
142 Critical philosofy
143 Intuitionalism See also 156, Intuitiv faculty; 171, Ethical theories.
144 Empiricism
145 Sensationalism
146 Materialism. Positivism
147 Pantheism. Monism See also 212, Natural theology.
148 Eclecticism
149 Other philosofic systems
See also 211, Rationalism, Scepticism; 214, Fatalism.

150 Mental faculties. Psychology

For mind in animals, see 591.

151 Intellect. Capacity for knowing
152 Sense. Sense perceptions Passiv or receptiv faculty.
153 Understanding Activ or thinking faculty.
154 Memory. Reproductiv power
155 Imagination. Creativ power
156 Intuitiv faculty. Reason
Reasoning, the act of deriving conclusions from premises, 153.
157 Sensibility. Emotions. Affections
158 Instincts. Appetites
159 Will

160 Logic. Dialectics

See also 153, Reasoning power. For Logic of chance, see 519, Probabilities.

161 Inductiv

162 Deductiv

163 Assent. Faith See also 234, Doctrin of salvation.

164 Symbolic. Algebraic Logical machines.

Logical topics

165 Sources of error. Fallacies

166 Syllogism. Enthymeme

167 Hypotheses

168 Argument and persuasion

169 Analogy. Correspondence See also 219, Natural theology.

170 Ethics, theoretic and applied

Many topics in applied ethics occur also in law, specially in 343, Criminal law. See also 377, Ethical education.

171 Theories. Philosofy of ethics

172 State ethics

173 Family ethics

174 Professional and business ethics

175 Ethics of amusements For Amusements, see 790.

176 Sexual ethics

177 Social ethics. Caste

178 Temperance. Stimulants and narcotics
See also 613, Hygiene; 331, Laboring classes

179 Other ethical topics

180 Anoient philosofers

Sections 180-199 are for the history of philosofy in special countries and for the discussion of the philosofic systems of individual authors and for their works not clearly belonging elsewhere. Mill's *Logic* is 160 not 192, and Hegel's *Philosophy of history* is 901 not 193, but their complete philosofic works belong here. Collected lives of philosofers are clast 921, and individual lives are placed in the alfabetic series of biografy.

181 Oriental philosofers

182 Early Greek philosofers

183 Sophistic and Socratic philosofers

184 Platonic. Older Academy

185 Aristotelian. Peripatetic. Lyceum

186 Pyrrhonist. New Platonist

187 Epicurean. Epicurus. Lucretius

188 Stoic

189 Early Christian and medieval philosofers

190 Modern philosofers

See notes under 140 and 180.

191 American philosofers

192 British philosofers

193 German philosofers

194 French philosofers

195 Italian philosofers

196 Spanish philosofers

197 Slavic philosofers

198 Scandinavian philosofers

199 Other modern philosofers

Religion

200 Religion. General works

201 Philosofy. Theories

202 Compends. Outlines

203 Dictionaries. Cyclopedias

204 Essays. Lectures. Addresses See 252, Sermons.

205 Periodicals. Magazines. Reviews

206 Societies. Transactions. Reports

Bible, Tract, etc. societies; history, reports, etc., but their publications go of course with subject.

207 Education. Theological seminaries. Training schools See also 377, Religious and secular education.

208 Polygrafy. Collected works. Extracts, maxims, etc.

Many collections go under a more specific head; e. g. 240.

209 History of religion

210 Natural theology

211 Deism and atheism

Scepticism. Infidelity. Rationalism, etc.
See 239, Apologetics; 231, God; 273, Heresy.

212 Pantheism. Theosofy See 147, Pantheistic philosofy; 129, Origin of soul.

213 Creation. See 113, Cosmology. Evolution See 575, Science.

214 Providence. See 231, Christian doctrin of God. Theodicy. Fatalism See 231, for Christian view.

215 Religion and science See 239, Apologetics.

216 Evil. Depravity See 149, Pessimism; 233, Doctrin of man.

217 Prayer. Prayer gage See 264, Public worship; 248, Personal religion.

218 Future life. Immortality. Eternity

See 237, Future state; 128, The soul.

219 Analogies. Correspondences See also 169, Logic.

220 Bible. General works

For similar works limited to Old or New Testament, or individual books, see specific head below.

.1 **Canon. Inspiration. Profecy**

.2 **Concordances. Analyses**

.3 **Dictionaries. Cyclopedias**

.4 **Original texts and early versions. Codices**

.5 **Versions of Bible. Polyglots**

These are translations from the original Hebrew and Greek. Translations from other early texts, e. g. an English translation of the Syriac, go in 220.4.

220.6 **Hermeneutics. Exegesis. Symbolism. Typology**
.7 **Commentaries on whole Bible, and annotated editions**
For notes, etc., on parts of the Bible, see the most specific head in 221-229.
.8 **Special topics** e. g. Biblical astronomy, botany, etc.
.9 **Biblical geografy and history**
221 Old Testament. Texts. Introductions, etc.
222 Historical books. Genesis to Esther
223 Poetic books. Job to Song of Solomon
224 Profetic books. Isaiah to Malachi
225 New Testament. Texts, introductions, etc.
226 Gospels and Acts
227 Epistles
228 Apocalypse
229 Apocryfa

230 Dootrinal. Dogmatios. Theology

231 God. Unity. Trinity
232 Christology
233 Man
234 Salvation. Soteriology
235 Angels. Devils. Satan
236 Eschatology. Last things
237 Future state See 218, Natural theology.
238 Creeds. Confessions. Covenants. Catechisms
239 Apologetics. Evidences of Christianity

240 Devotional. Practical

241 Didactic For Catechisms, see 238.
242 Meditativ. Contemplativ See 248, Personal religion.
243 Hortatory. Evangelistic
244 Miscellany. Religious novels, Sunday-school books, allegories, etc.
But class Bunyan in fiction, because of his literary prominence.
245 Hymnology. Religious poetry
See 223, Psalms; 264, Public worship.
246 Ecclesiology. Symbolism. Religious art
246-247 cover religious bearings. For art side see 700.
247 Sacred furniture. Vestments. Vessels. Ornaments, etc.
248 Personal religion. Asceticism See also 273, Heresies.
249 Family devotions See 264, Public worship.

250 Homiletic. Pastoral. Parochial

251 Homiletics. Preaching See 264, Public worship.

252 Sermons
Sermons on specific topics are more useful, like other pamflets, clast with the topics, e. g. a sermon on family devotions in 249, not 252; on strikes in 331.

253 Pastoral visitations, evangelistic

254 Clerical support. Celibacy
See also 176, Sexual ethics; 248, Asceticism.

255 Brotherhoods. Sisterhoods
In the parish. For Monastic orders, see 271.

256 Societies for parish work. Gilds. Sodalities

257 Parochial schools. Libraries, etc.
See 377, Religious and secular education; 027, Libraries.

258 Parish care of sick, fallen, etc.

259 Other ministrations and work

260 Church. Institutions and work

261 The church Its influence on morals, civilization, etc.

262 Ecclesiastical polity

263 Sabbath. Lord's day. Sunday

264 Public worship. Divine service. Ritual
See also 246, Ecclesiology; 247, Sacred furniture.

265 Sacraments. Ordinances

266 Missions. Home and foreign
Missions in special countries or places, including those of all churches, go under the geografically divided Religious history, 274-279, with references under 266.

267 Associations. Y. M. C. A., etc.

268 Sunday schools

269 Revivals. Retreats. Parish missions

270 Religious history

271 Monastic orders
See also 255, Parish brotherhoods; 377, Religious and secular education.

272 Persecutions

273 Heresies For the history of special doctrins, see 230-239, Doctrinal theology.

274 General religious history of Europe

General religious history of

.1 **Scotland. Ireland**

.2 **England. Wales**

.3 **Germany. Austria**

.4 **France**

.5 **Italy**

.6 **Spain. Portugal**

.7 **Russia**

.8 **Norway, Sweden and Denmark**

.9 **Minor European countries**

275 General religious history of Asia

General religious history of

.1 China
.2 Japan
.3 Arabia
.4 India
.5 Persia
.6 Turkey in Asia
.7 Siberia
.8 Afghanistan. Turkestan. Baluchistan
.9 Farther India

276 General religious history of Africa

General religious history of

.1 North Africa
.2 Egypt
.3 Abyssinia
.4 Morocco
.5 Algeria
.6 North central Africa
.7 South central Africa
.8 South Africa
.9 Madagascar. Mauritius

277 General religious history of North America

General religious history of

.1 Canada. British America
.2 Mexico. Central America
.3 United States
.4 Northeastern or North Atlantic states, New England
.5 Southeastern or South Atlantic states
.6 South central or Gulf states
.7 North central or Lake states
.8 Western or Mountain states
.9 Pacific states

For the exact states covered by these general designations, see 974-979.

278 General religious history of South America

General religious history of

.1 Brazil
.2 Argentine Republic. Patagonia
.3 Chili
.4 Bolivia
.5 Peru
.6 U. S. of Colombia. New Granada. Ecuador
.7 Venezuela
.8 Guiana
.9 Paraguay. Uraguay

279 General religious history of Oceanica. Polar regions

General religious history of

.1 **Malaysia**
.2 **Sunda**
.3 **Australasia**
.4 **Australia**
.5 **New Guinea**
.6 **Polynesia**
.7 **Isolated islands**
.8 **Arctic regions**
.9 **Antarctic regions**

280 Christian churches and sects

See also 270, Religious history.

281 Primitiv and oriental churches
282 Western or Roman catholic church
283 Anglican and American P. E. church
284 Continental protestant sects. Protestantism
285 Presbyterian. Reformd. Congregational
286 Baptist
287 Methodist
288 Unitarian
289 Minor Christian sects

290 Ethnic. Non-Christian

291 Comparativ and general mythology
292 Greek and Roman mythology
293 Teutonic and northern mythology
294 Brahmanism. Buddhism For other Indic religions, see 299.
See also 891, Sanskrit literature; 177, Social ethics, Caste.
295 Parseeism. Zend Avesta For other Iranic religions, see 299.
See also 891, Zend literature.
296 Judaism For other Semitic religions, see 299.
297 Mohammedanism
298 Mormonism See also 173, Family ethics.
299 Minor non-Christian religions

Sociology

300 Sociology. General works

301-309 all have Sociology in general as their subject, but it is treated in these various forms. A periodical on education goes in 370 not 305, which is only for periodicals on sociology in general. In sociology, most works in these forms are limited to one division; e. g. to political economy, education, law, etc.

301 Philosofy Theories
See 901, Philosofy of history.

302 Compends. Outlines

303 Dictionaries. Cyclopedias

304 Essays. Lectures. Addresses

305 Periodicals. Magazines. Reviews

306 Societies. Transactions. Reports

307 Education. Study and teaching See also 370.

308 Polygrafy. Collected works. Extracts, etc.
Put here collected works of statesmen; e. g. works of Adams, Jefferson, etc.

309 History of social science

310 Statistics

311 Theory, methods. Science of statistics

312 Population. Progress of. Vital statistics. Births. Deaths. Mortality. Longevity
See also 614, Public health.

313 Special topics
The statistics of any special matter are put with the subject, e. g. of Domestic animals in 636, of Shorthand in 653, of French novels in 843, of Theaters in 792, etc. The statistics of New York city would be 317, but the statistics of Medicin in New York would be put with 610, Medicin, i. e., the topic outranks the locality.

Statistics of

314 Europe

315 Asia

316 Africa

317 North America

318 South America

319 Oceanica

320 Political science

321 Form of state
This is for discussion of form of state, what should be; for what is, see 342, Constitutional law and 353-354, Administration.

322 Church and state See also 172, State ethics; 261, The church.

323 Internal or domestic relations
Free speech, Liberty of the press; for Morals of the press, see 179; also, 070, Newspapers.

324 Suffrage

325 Colonies and immigration

326 Slavery See also 973.7, Civil war.

327 Foreign relations

328 Legislativ bodies and annals

329 Political parties. Party conventions

330 Political economy

331 Capital. Labor and wages

332 Banks. Money. Credit. Interest

333 Land. Ownership, rights and rent
See also 338, Production; and 630, Agriculture.

334 Cooperation

335 Socialism and communism

336 Finance

337 Protection and free trade

338 Production. Manufacture. Prices

339 Pauperism

340 Law Most periodicals belong in Private law, 347.

Public law

341 International law

342 Constitutional law and history For Administrativ law, see 350.

343 Criminal law

344 Martial law

Private law

345 U. S. statutes and cases

346 British statutes and cases
Includes all reports in English language except U. S. reports.

347 Treatises. American and English private law

348 Canon law

349 Foreign law

350 Administration Including Military science.

351 Administration of central government

352 Local government. Town. City. County
See also 379, Public schools; 020, Libraries.

353 United States and state government
See also 342, Constitutional law and history.

354 Organization of central government. Foreign states
See also 342, Constitutional law and history.

355 Army. Military science See also 623, Military engineering.
Limited to Military science, tactics, etc. For War department of U. S. or history of regiments, see 353.

356 Infantry

357 Cavalry

358 Artillery

359 Naval science See 623, Naval engineering.

360 Associations and institutions
This covers what is best known as "Charities and corrections," and general works on this topic go in 360.

361 Charitable

362 Hospitals, asylums, and allied societies
For inebriate asylums, see 178, Temperance.

363 Political Tammany, Primrose leag, Ku Klux, etc.

364 Reformatory Schools. Discharged convicts. Criminal classes.

365 Prisons. Disciplin

366 Secret societies See also 371, College secret societies.

367 Social clubs

368 Insurance See also 334, Cooperation.

369 Other Cincinnati.

370 Education

371 Teachers, methods, and disciplin

372 Elementary education. Primary schools

373 Secondary. Academic. Preparatory
The discussions of theories, methods, etc. are clast regardless of the source of support, but schools clast in 372, 373, 376, 377 and 378 are all private or endowd except parts of primary, schools for women, and colleges, which, even if supported by public funds, are preferably clast in 372, 376 and 378. All other "public" schools, i. e. paid for from the public treasury, are groupt under 379. Besides schools, such topics as "American students in Europe" go naturally in 373 or, if the topic be "European universities," in 378. Peabody and Slater funds go in 373.

374 Self-education and culture. Extension teaching

375 Curriculum

376 Education of women See also 396, Woman's position and treatment.

377 Religious, ethical, and secular education

378 Colleges and universities With power of conferring degrees.

379 Public schools. State education

380 Commerce, communication

The technical side of these questions goes mostly in 650, Useful arts. Here belong discussions of social and political relations; e. g. government control of railroads, telegrafs, etc.

381 Domestic trade

382 Foreign trade. Consular reports

383 Post-office See also 353, U. S. administration.

384 Telegraf. Cable. Telefone
See also 654, Telegrafic instruments and construction

385 Railroad and express See also 656, Transportation.

386 Canal and highway transportation ,,

387 River and ocean transportation ,,

388 City transit See also 625, Railroad and road engineering.

389 Weights and measures. Metrology See also 658, Business manuals and methods.

390 Customs. Costumes. Popular life

These heads are for discussions by topics. Customs, etc. of any special country go in 913-919. Books on a special topic in a special country go here, as the grouping by topics is the more important; e. g. Marriage in Japan is 392, but Japanese customs, 915.2. For Customs of primitiv man, see 571.

391 Costume and care of person See 646, Clothing; 613, Hygiene.

392 Birth, home, and sex customs

393 Treatment of the dead See 614, Public health.

394 Public and social customs

395 Etiquet

396 Woman's position and treatment
For Costumes, see 391; Biografy, 920.7.
If a special library about women is wisht, 396 is the best place for it. Suffrage, education, and employment can then be put here with references from 324, 376, 331, etc.; but it would be unwise to bring everything about women here, e. g. to remove 618, Diseases of women, from the rest of medicin. Books on woman in general go in 396.

397 Gipsies. Nomads. Outcast races
People without nationalities who do not coalesce with the ruling people among whom they live. This includes Gipsy language, which has no place in the linguistic groups of 400, as the Gipsy people have no place in the geografic divisions of history.

398 Folk-lore. Proverbs, etc. See also 291-293, Mythology.
This section is for material needed in studying folk-lore. Mere stories for children, unless having a value to students of folk-lore, go in fiction, or in J, if there be a juvenil collection.

399 Customs of war
Weapons War dances. Treatment of captivs. Scalping. Mutilation. Burning. Cannibalism.

Philology

400 Philology. General works

In Philology the general works put under 400-419 deal almost entirely with the Indo-European languages. They are put here because they cover most of the divisions of this class, and in practice are most convenient here. Under 439, 479, and 489 are placed books limited to the Teutonic, Romance or Hellenic groups, and under 491 are placed only such general works as are specifically limited to the Indo-European group.

401 Philosofy. Origin of language
402 Compends. Outlines
403 Dictionaries. Cyclopedias
404 Essays. Lectures. Addresses
405 Periodicals. Magazines. Reviews
406 Societies. Transactions. Reports
407 Education. Schools of languages
408 Polygrafy. Collected works. Extracts, etc.
409 History of language

410 Comparativ

410-419 includes *comparativ* works in *general* and also those on the Indo-European group in general, but general *and comparativ* works on Teutonic group are 439; on Romance group 479; on Hellenic group 489. Everything about an individual language is put with that language.

411 Orthografy. Orthoepy. Alfabets
412 Etymology. Derivation
413 Dictionaries. Lexicografy
414 Phonology. Visible speech
415 Grammar. Morfology. Syntax
416 Prosody
417 Inscriptions. Paleografy

Rare early mss are put in 091; inscriptions of an individual language are clast with its orthografy; Latin inscriptions, 471; Greek inscriptions, 481, etc.

418 Texts
419 Hieroglyfics See also 493, Egyptian hieroglyfics.

420 English philology

421 Orthografy

See also this head treated in general grammars placed under 425.

422 Etymology. Derivation

422 is limited to derivation. For inflection, also called etymology, see 425.

423 Dictionaries. Idioms

Put a dictionary of two languages with the less known language. Under 423 put only English-English dictionaries. Put an English-French dictionary with French, 443; a French-Latin dictionary with Latin, 473. If in several languages, put with 413, or with least known. This plan brings together under each of the less known, all the dictionaries for translating either into or from that language. Some prefer to put each dictionary under the first language; i. e. that by which it is alfabeted. This gives under *each* language, regardless of its familiarity, *all* dictionaries for translating *from* it, but none for translating *into* it. These must be sought under the language from which the translation is to be made. For a cosmopolitan library this plan is simplest and best; but in an English library, the first plan, with only English dictionaries in 423, and both *in* and *out* dictionaries together under little known tongues is more convenient. References in either case show what may be found in the other place.

424 Synonyms. Homonyms

425 Grammar

425 includes general works, covering also orthografy and prosody.

426 Prosody

See also the head prosody, in general grammars, 425.

427 Dialects. Early forms. Slang

428 School books. Texts for learning the language

Including only books for *learning* the language, with grammatic or philologic notes, etc. For other works see the literature of the language, 820.

429 **Anglo-Saxon**

430 German

431 Orthografy

432 Etymology. Derivation

433 Dictionaries. Idioms

434 Synonyms. Homonyms

435 Grammar

436 Prosody

437 Dialects. Early forms. Slang

438 School books. Texts for learning the language

439 **Minor Teutonic** Including general works on Teutonic group.

440 French

441 Orthografy

442 Etymology. Derivation

443 Dictionaries. Idioms

444 Synonyms. Homonyms

445 Grammar

(French)

446 Prosody
447 Dialects. Early forms. Slang
448 School books. Texts for learning the language
449 **Provençal** Old French, as the earliest form of the language, is 447.

450 Italian

451 Orthografy
452 Etymology. Derivation
453 Dictionaries. Idioms
454 Synonyms. Homonyms
455 Grammar
456 Prosody
457 Dialects. Early forms. Slang
458 School books. Texts for learning the language
459 **Wallachian**

460 Spanish

461 Orthografy
462 Etymology. Derivation
463 Dictionaries. Idioms
464 Synonyms. Homonyms
465 Grammar
466 Prosody
467 Dialects. Early forms. Slang
468 School books. Texts for learning the language
469 **Portuguese**

470 Latin

471 Orthografy
472 Etymology. Derivation
473 Dictionaries. Idioms
474 Synonyms. Homonyms
475 Grammar
476 Prosody
477 Dialects. Early forms. Slang
478 School books. Texts for learning the language
479 **Minor Italic. Medieval Latin**
Including general works on Romance group.

480 Greek

481 Orthografy

482 Etymology. Derivation

483 Dictionaries. Idioms

484 Synonyms. Homonyms

485 Grammar

486 Prosody

487 Dialects. Early forms. Slang

488 School books. Texts for learning the language

489 **Minor Hellenic. Modern Greek**

Including general works on Hellenic group.

Works on Latin and Greek together, unless very clearly most useful with Latin, go with Greek, which here as elsewhere is made to include general works on the ancient classics.

490 Minor languages

491 Minor Indo-European

(Besides Teutonic, 420-439; Italic, 440-479; and Hellenic, 480-489.) This head, 491, includes general works on the Indo-European tongues, but general works on the Teutonic languages go in 439, on the Romance group in 479, on the Hellenic group in 489, while most of the material placed under 400-419 is really Indo-European; but see also 410.

492 Semitic

493 Hamitic

See 419, Hieroglyfics.

494 Scythian. Ural-Altaic. Turanian

Dravidian. Tamil. Finnish. Turkish.

495 Eastern Asiatic. Chinese

496 African

Excluding 493 Hamitic, 492 Semitic, etc. included in families above.

497 North American

498 South American

499 Malay-Polynesian and other

The Gipsy language is not assignd to any group, but is placed for convenience with 397, Gipsies.

Natural science

500 Science. General works

501-509 all have *Science in general* as their subject, but it is treated in these various *forms*. A periodical on *chemistry* goes in 540, not in 505, which is only for periodicals on science in general.

501 Philosofy. Theories. Utility

502 Compends. Outlines. Ancient and medieval science

503 Dictionaries. Cyclopedias

504 Essays. Lectures. Addresses

505 Periodicals. Magazines. Reviews

506 Societies. Transactions. Reports

507 Education. Teaching and studying. Museums
See also 370.

508 Polygrafy. Collected works. Extracts, etc.

Scientific travel in

.3 **General scientific travels and surveys**

.4 **Europe**

.5 **Asia**

.6 **Africa**

.7 **North America**

.8 **South America**

.9 **Oceanica**

509 History of science

510 Mathematics

511 Arithmetic See also 372, Elementary education

512 Algebra

513 Geometry
Descriptiv geometry is 515. See also Mathematical drawing, 744.

514 Trigonometry

515 Descriptiv geometry and projections
See also 744, Mathematical drawing.

516 Analytic geometry

517 Calculus

519 Probabilities

520 Astronomy

521 Theoretical astronomy

Mathematical investigation of celestial motions, specially of the solar system. The motions of individual bodies are clast in 523.

522 Practical and sferical

523 Descriptiv astronomy

524 Maps, observations and tables

Series of observatory publications may be kept together under 524, or under 522 with the history and reports of the observatory. Special maps or observations; e. g. on sun or moon are better placed under 523. This number provides a place in case it is wisht to keep *all* maps and observations together

525 Earth

526 Geodesy and surveying

527 Navigation

528 Efemerides

529 Chronology

530 Physics

531 Mechanics

532 Liquids. Hydrostatics. Hydraulics

533 Gases. Pneumatics

534 Sound. Acoustics

535 Light. Optics

536 Heat

537 Electricity

538 Magnetism

For "Animal magnetism," Mesmerism, etc. see 134

539 Molecular physics

540 Chemistry

541 Theoretic chemistry

542 Practical and experimental chemistry

543 Analysis

Of special materials. See also 614.3, Adulterations.

544 Qualitativ analysis

545 Quantitativ analysis

546 Inorganic chemistry

547 Organic chemistry

548 Crystallografy

549 Mineralogy

550 Geology

551 Physical and dynamic geology

Including physical geografy. For cosmic geografy, see 523.

552 Lithology. Petrografy. Petrology

553 Economic geology See also Mining engineering.

While the history of all the other products goes here, the history of the metals is more useful in 669, Metallurgy.

554 Geology of Europe

Geology of

.1 Scotland. Ireland
.2 England. Wales
.3 Germany. Austria
.4 France
.5 Italy
.6 Spain. Portugal
.7 Russia
.8 Norway, Sweden and Denmark
.9 Minor European countries

555 Geology of Asia

Geology of

.1 China
.2 Japan
.3 Arabia
.4 India
.5 Persia
.6 Turkey in Asia
.7 Siberia
.8 Afghanistan. Turkestan. Baluchistan
.9 Farther India

556 Geology of Africa

Geology of

.1 North Africa
.2 Egypt
.3 Abyssinia
.4 Morocco
.5 Algeria
.6 North central Africa
.7 South "
.8 " Africa
.9 Madagascar. Mauritius

557 Geology of North America
.1 Canada
.2 Mexico. Central America. West Indies
.3 United States
.4 Northeastern or North Atlantic states. New England
.5 Southeastern or South Atlantic states
.6 South central or Gulf states
.7 North central or Lake states
.8 Western or Mountain states
.9 Pacific states

Geology of

For the exact states covered by these general designations, see 974–979.

558 Geology of South America
.1 Brazil
.2 Argentine Republic. Patagonia
.3 Chili
.4 Bolivia
.5 Peru
.6 U. S. of Colombia. New Granada Ecuador
.7 Venezuela
.8 Guiana
.9 Paraguay. Uruguay

Geology of

559 Geology of Oceanica. Polar regions
.1 Malaysia
.2 Sunda
.3 Australasia
.4 Australia
.5 New Guinea
.6 Polynesia
.7 Isolated islands
.8 Arctic regions
.9 Antarctic regions

Geology of

560 Paleontology

561 Plants
562 Invertebrates
563 Protozoa. Radiates
564 Mollusks
565 Articulates
566 Vertebrates
567 Fishes. Batrachia
568 Reptils. Birds
569 Mammals

570 Biology

571 Prehistoric archeology
For customs, see 390. For archeology of special countries, see 913.

572 Ethnology. Anthropology
See also 136, Mental race characteristics.

573 Natural history of man

574 Homologies

575 Evolution See also 213, Creation; 215, Religion and Science; 239, Apologetics.

576 Origin and beginnings of life

577 Properties of living matter

578 Microscopy See also 535, Optics.

579 Collectors manuals

580 Botany

581 Physiologic and structural botany

.9 Geografic
This is to be used only for general works and cross references. The "Flora of North America" is put 581.9; but "North American cryptogams" is class 586 with a reference from 581.9, but No. Am. phanerogamia goes with 581.9 because it so nearly covers the subject.
General works covering both Phanerogamia and Cryptogamia are put under 580, as books on Vertebrates and Invertebrates are put under 590.

582 Phanerogamia See also Trees 715.

583 Dicotyledonae

584 Monocotyledonae

585 Gymnospermae

586 Cryptogamia

587 Pteridofyta

588 Bryofyta

589 Thallofyta

590 Zoology

591 Physiologic zoology

592 Invertebrates

593 Protozoans. Radiates

594 Mollusks

595 Articulates

596 Vertebrates

597 Fishes. Pisces

598 Birds. Reptils

.1 **Reptils**

599 Mammals. Mammalia

Useful arts

600 Useful arts. General works

601 Philosofy. Theories, etc.

602 Compends. Outlines

603 Dictionaries. Cyclopedias

604 Essays. Lectures. Addresses

605 Periodicals. Magazines. Reviews

606 Societies. Transactions. Reports. Fairs. Exhibitions

Special exhibitions go with their topics. This is general only.

607 Education. Schools of technology

608 Patents. Inventions

609 History of useful arts

For its history, see each special department.

610 Medicin

611 Anatomy. Histology

For Malformations see 617, Surgery. See also 591, Physiologic zoology.

612 Physiology

For vital phenomena in general, see 577, Properties of living matter. See also 591, Physiology of animals.

613 Personal hygiene

Care of health; Prophylaxis; Individual health; Laws of health.

.7 Gymnastics and athletics. Recreation and sleep

614 Public health

Public hygiene. Public sanitation. State medicin. Preventiv medicin. See also 628, Sanitary engineering; 352, Local administration.

.3 Adulterations. Inspection of articles liable to affect public health. Public analysts. State laboratories. For chemical analysis see 543.

.8 Protection of human life from accidents, casualties, etc.

615 Materia medica and therapeutics

616 Pathology. Diseases. Treatment

617 Surgery

618 Diseases of women and children. Obstetrics

619 Comparativ medicin. Veterinary

620 Engineering

621 Mechanical engineering
- .1 **Steam engineering**
- .3 **Electric engineering**

622 Mining engineering

623 Military and naval engineering
For Military and naval science, Maneuvers, Strategy and tactics, see 355 to 359.

624 Bridges and roofs

625 Railroad and road engineering
See also 624, Bridges.

626 Canal engineering

627 River, harbor and general hydraulic engineering

628 Sanitary engineering. Waterworks

629 Other branches of engineering

630 Agriculture

631 Soil. Fertilizers. Drainage

632 Pests. Hindrances. Blights. Insects

633 Grains. Grasses. Fibers. Tea. Tobacco, etc.

634 Fruits. Orchards. Vineyards. Forestry
See also 715, Landscape gardening.

635 Kitchen garden See 716, for Flower gardens.

636 Domestic animals See also 619, Veterinary medicin; 599, Zoology.

637 Dairy. Milk. Butter. Cheese

638 Bees. Silkworms

639 Fishing. Trapping

640 Domestic economy. Hotels. Flats

641 Cookery. Gastronomy

642 Confectionery. Ices

643 Food. Dining. Carving
See also 613, Hygiene; 663, Beverages; 394, Customs.

644 Fuel. Lights
See also 697, Heating and ventilation; 621.1, Steam engineering; 665, Lamps and gas; 621.3, Electric engineering

645 Furniture. Carpets. Upholstery. Plate

646 Clothing. Toilet. Cosmetics
See also 613, Hygiene; 391, Costume and care of person.

647 Servants. Training. Duties. Wages

648 Laundry

649 Nursery. Children. Sick-room

650 Communication. Commerce

651 Office equipment and methods

652 Writing. Materials, typewriters, cifer

653 Abbreviations. Shorthand

654 Telegraf. Cables. Signals For codes see 652.

655 Printing. Publishing. Copyright

656 Transportation. Railroading, etc.

657 Bookkeeping. Accounts

658 Business manuals. Methods. Tables

659 Advertising and other topics

660 Chemical technology

661 Chemicals

662 Pyrotechnics. Explosivs. Matches, etc.

663 Beverages See also 178, Temperance; 614.3, Adulterations.

664 Foods

For Adulterations see 614 3, Public health. See also 641, Cookery, and 643, Dining, food.

665 Oils. Gases. Candles. Lamps

666 Ceramics. Glass, etc.

667 Bleaching, dyeing, etc.

668 Other organic chemical industries

669 Metallurgy and assaying

History of metals goes here, not in 553, 622 nor 671.

670 Manufactures

Specific topics go where of most interest. These heads are for the *general* subject of metal, wood, etc., manufactures, and for such specific manufactures as are not of more interest elsewhere. But an account of a specific manufacture is commonly most useful with its own subject; e. g., a steam engine is certainly made of metal, but its manufacture should go under 621.1, not 672. The character of the library often decides the place of greatest interest. An agricultural library would prefer the manufacture and everything about wood churns with the dairy, 637, while a manufacturing library might prefer it with other wood manufactures in 674. A general library will incline to the special subject, as a more minute classification is thus obtaind, and references under 670 answer inquiries for all the library has on the subject of brass or rubber or paper manufactures. Whether groupt by use or material, if sought from the other standpoint, the references show the resources promptly. As a rule the use is the better classification, being more minute and oftener wanted. But if the uses are various the general head is better; e. g. bells are for scores of distinct uses, but their manufacture is a unit; but all churns are for the dairy.

671 Articles made of metals

672 Of iron and steel; stoves, cutlery, etc.

673 Of brass and bronze; bells, etc.

(**Manufactures**)

674 Lumber and articles made of wood
675 Leather „ „ „ „ leather
676 Paper „ „ „ „ paper
677 Cotton, wool, silk, linen, etc.
678 Rubber and articles made of rubber
679 Celluloid and other

680 Mechanic trades. Amateur manuals

681 Watch and instrumentmaking
682 Blacksmithing
683 Lock and gunmaking
684 Carriage and cabinetmaking
685 Saddlery and shoemaking. Trunks
686 Bookbinding
687 Clothesmaking. Hats
688
689 Other trades

690 Building For Architectural construction, see 721.

691 Materials. Processes. Preservativs
See also 620, Engineering.
692 Plans. Specifications, etc.
693 Masonry. Plastering. Fireproofing
694 Carpentry. Joinery. Stairbuilding
695 Roofing. Slating. Tiling See 721, Roof constructions.
696 Plumbing. Gas and steam fitting, etc.
697 Heating and ventilation
See Sanitary engineering, 628; Domestic economy, 644.
698 Painting. Glazing. Paperhanging
699 Car and ship building

Fine arts

700 Fine arts. General works

701 Philosofy. Theories. Utility. Esthetics
702 Compends. Outlines
703 Dictionaries. Cyclopedias
704 Essays. Lectures. Addresses
705 Periodicals. Magazines. Reviews
706 Societies. Transactions. Reports
707 Education. Study and teaching
708 Art galleries and museums
709 History of art in general

710 Landscape gardening

711 Public parks
712 Private grounds. Lawns
713 Walks. Drives
714 Water. Fountains. Lakes
715 Trees. Hedges. Shrubs
See also 634, Forestry; 582, Botany.
716 Plants. Flowers
717 Arbors. Seats. Outlooks
718 Monuments. Mausoleums
719 Cemeteries See also 393, Treatment of the dead; 614, Public health.

720 Architecture

721 Architectural construction
722 Ancient and oriental architecture (Pagan)
See also 571. Prehistoric archeology.
723 Medieval. (Christian. Mohammedan)
724 Modern
725 Public buildings
726 Ecclesiastic and religious
727 Educational and scientific
728 Residences
729 Architectural design and decoration

730 Soulpture

731 Materials and methods
732 Ancient
733 Greek and Roman
734 Medieval
735 Modern
736 Carving. Seals. Dies. Gems. Cameos
737 Numismatics. Coins. Medals
738 Pottery. Porcelain
739 Bronzes. Brasses. Bric-a-brac

740 Drawing. Decoration. Design

741 Free-hand. Crayon. Sketching from nature. Caricatures. Cartoons
Collections on any subject go with that subject with reference from 741.
742 Perspectiv See also 515, Descriptiv geometry.
743 Art anatomy. Life school
744 Mathematical and scientific drawing See also 515, Descriptiv geometry.
745 Ornamental design. Woven fabrics. Carpets. Wall paper, etc.
746 Art needlework. Fancy work
747 Interior decoration. Distemper. Fresco. Polychrome
748 Staind and iridescent glass For Leading, see 698.
749 Artistic furniture. Fireplaces. Frames, etc.

750 Painting

751 Materials and methods
752 Color See 535, Optics.
753 Epic. Mythic. Idealistic
754 Genre. Still life
755 Religious. Ecclesiastic
756 Historical. Battle scenes
757 Portrait
758 Landscape and marine. Animals. Flowers
759 Various schools of painting

760 Engraving

761 Wood
762 Copper and steel
763 Lithografy
764 Chromolithografy
765 Line and stipple
766 Mezzotint and aquatint
767 Etching. Dry point
768 Bank-note and machine
769 Collections of engravings

770 Photografy

771 Materials. Photografic chemistry
772 Silver processes. Daguerreotype. Talbotype. Collodion process. Ambrotype, etc. Dry-plate processes
773 Gelatin and pigment processes. Woodburytype. Carbon process. Lambertype. Autotype, etc.
774 Gelatin and printer's ink processes. Albertype. Heliotype. Artotype, etc.
775 Photo-lithografy, etc.
776 Photo-zincografy, etc.
777 Photo-engraving and Photo-electrotyping
778 Special applications See 522, Astronomy; 578, Microscopy.
779 Collections of photografs

780 Music

All heads include both the music itself and everything about it: Score, libretto, history, criticism, etc.

781 Theory of music
782 Dramatic music
783 Sacred music
See 245, Hymnology, sacred poetry for hymns alone; if with tunes they go in 783; 786, Organ; 246, Evangelistic use and eucharistic music; 264, Public worship.
784 Vocal music
785 Orchestral music
For Dramatic orchestral music, see 782; Sacred, 783.
786 Piano and organ
787 Stringd instruments
Including history, manufacture, instruction, music, etc.
788 Wind instruments
Including history, manufacture, instruction, music, etc.
789 Percussion and mechanical instruments

790 Amusements For Ethics of amusements, see 175.

791 Public entertainment

Concert, panorama, circus, menagerie, summer resort, garden, rink, museum, fair, festival.

792 Theater. Pantomime. Opera See also 782, Dramatic music.

793 In-door amusements

Private theatricals, tableaux, charades, dancing.

794 Games of skill

Chess, checkers, billiards, bowling, bagatel.

795 Games of chance

Cards, dice, backgammon, dominoes.

796 Out-door sports

Children's sports, athletic sports, coasting, skating, cycling, quoits, archery, croquet, lawn tennis.

797 Boating and ball

Rowing, yachting, base-ball, foot-ball, cricket, polo.

798 Horsemanship and racing

799 Fishing, hunting, target shooting

Literature

The classification of literature is by *language*, not country, except that North and South American are separated from other English. Canadian French goes with 840; Australian and Indian English with 820; South American Spanish with 860, etc.

800 Literature. General works

801 Philosofy. Theories. Literary esthetics
802 Compends. Outlines
803 Dictionaries. Cyclopedias
804 Essays. Lectures. Addresses
805 Periodicals. Magazines. Reviews
806 Societies. Transactions. Reports
807 Education. Study and teaching
808 Rhetoric. Treatises. Collections
809 History of literature Including general histories of books and knowledge; e. g. Hallam's *Literature of the middle ages*.

810 American literature Includes Canadian English.

811 American poetry
812 American drama
813 American fiction
814 American essays
815 American oratory
816 American letters
817 American satire and humor
818 American miscellany

820 English literature

821 English poetry
822 English drama
823 English fiction
824 English essays
825 English oratory For Speakers, see 808.
826 English letters
827 English satire and humor
828 English miscellany
Anecdotes, ana, epigrams, quotations, etc., if illustrativ of any special subject (e. g., biografy, history, science, art), go with that subject. If general they go in 828. For Riddles, Proverbs, see 398. The same rule applies to other languages in 838, 848, etc.

829 **Anglo-Saxon literature**

830 German literature
831 German poetry
832 German drama
833 German fiction
834 German essays
835 German oratory
836 German letters
837 German satire and humor
838 German miscellany See 828, note.

839 **Minor Teutonic literatures**

840 French literature
841 French poetry
842 French drama
843 French fiction
844 French essays
845 French oratory
846 French letters
847 French satire and humor

849 **Provençal literature**

850 Italian literature
851 Italian poetry
852 Italian drama
853 Italian fiction
854 Italian essays
855 Italian oratory
856 Italian letters
857 Italian satire and humor
858 Italian miscellany

859 **Wallachian literature**

860 Spanish literature
861 Spanish poetry
862 Spanish drama
863 Spanish fiction
864 Spanish essays
865 Spanish oratory
866 Spanish letters
867 Spanish satire and humor
868 Spanish miscellany

869 **Portuguese literature**

870 Latin literature
871 Latin poetry in general
See Dramatic, Epic and Lyric below.
872 Latin drama
873 Latin epic poetry
874 Latin lyric poetry
875 Latin oratory
876 Latin letters
877 Latin satire and humor
878 Latin miscellany
879 **Medieval and modern Latin**

880 Greek literature
881 Greek poetry in general
See Dramatic, Epic and Lyric below.
882 Greek dramatic poetry
883 Greek epic poetry
884 Greek lyric poetry
885 Greek oratory
886 Greek letters
887 Greek satire and humor
For Comedies of Aristophanes see 882.
888 Greek miscellany
889 **Medieval and modern Greek**

890 Literature of minor languages
891 Minor Indo-European
892 Semitic
893 Hamitic
894 Scythian. Ural-Altaic. Turanian
Dravidian. Tamil. Finnish. Turkish.
895 Eastern Asiatic. Chinese
896 African
Excluding 893. Hamitic; 892, Semitic, etc., included in families above
897 North American
898 South American
899 Malay-Polynesian and other

History

900 History. General works

901-909 all have *History in general* as their subject, but it is treated in these various *forms*. A periodical on English history goes with 942, not 905, which is only for periodicals on history in general.

901 Philosofy. Theories, etc. History of civilization

902 Compends. Chronologies. Charts. Outlines

For chronology as a science, see 529.

903 Dictionaries. Cyclopedias

904 Essays. Lectures. Addresses

905 Periodicals. Magazines. Reviews

906 Societies. Transactions. Reports

907 Education. Methods of teaching, writing, etc.

See also 371.

908 Polygrafy. Collected works. Extracts, etc.

909 Universal and general modern histories

910 Geografy and travels

Including Topografy, Maps, Antiquities, Descriptions, etc.
For map projection, see 526. See also 310 Statistics, 390 Customs and costumes.
For Directories, Guide books, Gazetteers, etc., of special countries or geografical sections, see under those sections, 914-919.

911 Historical. Growth and changes in political divisions, etc.

912 Maps, atlases, plans of cities, etc.

913 Antiquities, archeology, of special countries

See also 220.9, Biblical antiquities; 340, Legal antiquities; 571, Prehistoric archeology; 930, Ancient history; 390, Special customs.

913.3 Antiquities of ancient countries

Antiquities of

31 China

32 Egypt

.33 Judea

.34 India

.35 Medo-Persia

.36 Kelts

.37 Rome. Italy

.38 Greece

.39 Minor countries

Antiquities of modern countries

Antiquities of

913.4 Europe
.5 Asia
.6 Africa
.7 North America
.8 South America
.9 Oceanica

914 Travel in Europe

.1 **Scotland**
.15 **Ireland**
.16 Ulster
.17 Connaught
.18 Leinster
.19 Munster
.2 **England**
.21 London
.29 Wales
.3 **Germany and Austria**
.31 Prussia and Northern Germany
.36 **Austria**
.37 Bohemia
.38 Poland
.39 Hungary
.4 **France**
.5 **Italy**
.6 **Spain**
.69 **Portugal**
.7 **Russia**
.8 **Norway, Sweden and Denmark**
.81 Norway
.82 Christiania
.83 Christiansand. Bergen
.84 Hamar. Throndhjem. Tromso
.85 Sweden
.86 Gothland
.87 Svealand
.88 Norrland
.89 Denmark

914.9 **Minor countries of Europe**
- .91 Iceland. Faroe islands
- .92 Netherlands
- .93 Belgium
- .94 Switzerland
- .95 Greece
- .96 Turkey in Europe
- .97 Servia. Bulgaria. Montenegro
- .98 Roumania: Wallachia, Moldavia
- .99 Islands of Grecian archipelago

915 Travel in Asia
- .1 **China**
- .2 **Japan**
- .3 **Arabia**
- .4 **India**
- .5 **Persia**
- .6 **Turkey in Asia**
- .7 **Siberia**
- .8 **Afghanistan, Turkestan, Baluchistan**
- .9 **Farther India**

916 Travel in Africa
- .1 **North Africa**
- .2 **Egypt**
- .3 **Abyssinia**
- .4 **Morocco**
- .5 **Algeria**
- .6 **North Central Africa**
- .7 **South Central Africa**
- .8 **South Africa**
- .9 **Madagascar. Mauritius**

917 Travel in North America
- .1 **Canada. British America**
- .2 **Mexico**
- .28 **Central America**
- .29 **West Indies**

917.3	**United States**
.4	**Northeastern or North Atlantic. New England**
.41	Maine
.42	New Hampshire
.43	Vermont
.44	Massachusetts
.45	Rhode Island
.46	Connecticut
.47	New York
.48	Pennsylvania
.49	New Jersey
.5	**Southeastern or South Atlantic**
.51	Delaware
.52	Maryland
.53	District of Columbia
.54	West Virginia
.55	Virginia
.56	North Carolina
.57	South Carolina
.58	Georgia
.59	Florida
.6	**South central or Gulf**
.61	Alabama
.62	Mississippi
.63	Louisiana
.64	Texas
.65	
.66	Oklahoma. Indian Territory
.67	Arkansas
.68	Tennessee
.69	Kentucky
.7	**North central or Lake**
.71	Ohio
.72	Indiana
.73	Illinois
.74	Michigan
.75	Wisconsin
.76	Minnesota
.77	Iowa
.78	Missouri
.79	

917.8 **Western or Mountain**
Including general works on "the West."

.81 Kansas
.82 Nebraska
.83 South Dakota
.84 North Dakota
.85
.86 Montana
.87 Wyoming
.88 Colorado
.89 New Mexico

.9 **Pacific**
.91 Arizona
.92 Utah
.93 Nevada
.94 California
.95 Oregon
.96 Idaho
.97 Washington
.98 Alaska
.99

918 Travel in South America
.1 **Brazil**
.2 **Argentine Republic. Patagonia**
.3 **Chili**
.4 **Bolivia**
.5 **Peru**
.6 **U. S. of Colombia. New Granada. Ecuador**
.7 **Venezuela**
.8 **Guiana**
.9 **Paraguay. Uruguay**

919 Travel in Oceanica and Polar regions
.1 **Malaysia**
.2 **Sunda**
.3 **Australasia**
.4 **Australia**
.5 **New Guinea**
.6 **Polynesia**
.7 **Isolated islands**
.8 **Arctic regions**
.9 **Antarctic regions**

920 Biografy

Collectiv biografy, including biografic dictionaries, etc. is here groupt together under the main classes; e. g. collected lives of chemists or of botanists are 925; of sailors, 926; of actors, 927.

Individual biografy includes autobiografy, diaries, personal narrativs, eulogies, etc. This is markt B in place of the class number and arranged by names of persons written about. For book numbers, see p. 17.

Collectiv by subjects

920.7 Collected biografy of women

Collected biografy of

921 Philosofy

922 Religion. Clergy, missionaries, preachers

923 Sociology

924 Philology

925 Science

926 Useful arts

927 Fine arts

928 Literature

Historians are put with authors in 928.

929 Genealogy and heraldry

.6 Heraldry

.7 Peerages, precedence, titles of honor

.8 Coats of arms, crests

.9 Flags

930 Ancient history

To A. D. 476.

931 China

932 Egypt

933 Judea

934 India

935 Medo-Persia

936 Kelts

937 Rome. Italy

938 Greece

939 Minor countries

Modern history

940 Europe

From the fall of Western Empire (Rome), A. D. 476.

941 Scotland

941.5 Ireland

.6 **Ulster**

.7 **Connaught**

.8 **Leinster**

.9 **Munster**

942 England

Period divisions

.01	Anglo-Saxon. Including prehistoric, Roman, British, Danish.	B. C. 55-A. D. 1066.
.02	Norman.	1066–1154.
.03	Plantagenet.	1154–1399.
.04	Lancaster and York.	1400–1485.
.05	Tudor.	1485–1603.
.06	Stuart.	1603–1714.
.07	Hanover.	1714–1837.
.08	Victoria.	1837–

Geografic divisions

.1 **Middlesex. London**

.9 **Wales**

943 Germany and Austria

943.1 **Prussia and northern Germany**

943.6 Austria

.7 **Bohemia, etc.**

.8 **Poland.** Including the history before the division.

.9 **Hungary, etc.**

944 France

945 Italy

946 Spain

.9 **Portugal**

947 Russia

948 Norway, Sweden, and Denmark
.1 **Norway**
.2 **Christiania**
.3 **Christiansand. Bergen**
.4 **Hamar. Throndhjem. Tromso**
.5 **Sweden**
.6 **Gothland**
.7 **Svealand**
.8 **Norrland**
.9 **Denmark**

949 Minor countries of Europe
.1 **Iceland. Faroe islands**
.2 **Netherlands**
.3 **Belgium**
.4 **Switzerland**
.5 **Byzantine empire and modern Greece**
.6 **Turkey in Europe**
.7 **Servia. Bulgaria. Montenegro**
.8 **Roumania: Wallachia, Moldavia**
.9 **Islands of Grecian archipelago**

950 Asia
951 China
952 Japan
953 Arabia
954 India
955 Persia
956 Turkey in Asia See also 949.6.
957 Siberia
958 Afghanistan. Turkestan. Baluchistan
959 Farther India

960 Africa
961 North Africa
962 Egypt
963 Abyssinia
964 Morocco
965 Algeria
966 North Central Africa
967 South Central Africa
968 South Africa
969 Madagascar. Mauritius

970 North America

.1 **Indians, Aborigines**; .2 Lives of Indians; .3 Special tribes: .4 Special states; .5 Government relation and treatment; .6 Special subjects, Character, Civilization, Agriculture, etc.

See 371, Education; 572, Ethnology, 497, Languages.

971 Canada. British America.

972 Mexico. Central America

.8 Central America

.9 West Indies

973 United States and Territories

Period divisions

.1 Discovery. A. D. 896–1607.
Norse, Spanish, Dutch, French, English.

.2 Colonial. 1607–1775.
French and Indian Wars.

.3 Revolution and Confederation. 1775–1789.

.4 Constitutional Period. For U. S. Constitution, see 342.73. 1789–1812.
Federalists and Republicans. See 329.1.
Washington, 1789–1797; John Adams, 1797–1801; Jefferson, 1801–1809.

.5 War of 1812. 1812–1845.
Hartford Convention. 1814.
Nullification in South Carolina. 1832.
Annexation of Texas. 1845. See also 976.4, Texas.
Madison, 1809–1817; Monroe, 1817–1825; John Quincy Adams, 1825–1829; Jackson, 1829–1837; Van Buren, 1837–1841; Harrison, 1841; Tyler, 1841–1845.

.6 War with Mexico. 1845–1861.
The Wilmot proviso. 1846.
Compromise of 1850.
Struggle in Kansas. 1854–1859. See also 978.1, Kansas.
Polk, 1845–1849; Taylor, 1849–1850; Fillmore, 1850–1853; Pierce, 1853–1857; Buchanan, 1857–1861.

.7 Civil war. Abolition of slavery. Lincoln, 1861–1865.

.8 Later 19th century. 1865 ——.
Reconstruction. Civil service reform.
Johnson, 1865–1869; Grant, 1869–1877; Hayes, 1877–1881; Garfield, 1881; Arthur, 1881–1885; Cleveland, 1885–1889; Harrison, 1889–1893; Cleveland, 1893–

974 Northeastern or North Atlantic. New England.
.1 **Maine**
.2 **New Hampshire**
.3 **Vermont**
.4 **Massachusetts**
.5 **Rhode Island**
.6 **Connecticut**
.7 **New York**
.8 **Pennsylvania**
.9 **New Jersey**

975 Southeastern or South Atlantic
Including general works on "the South."
.1 **Delaware**
.2 **Maryland**
.3 **District of Columbia**
.4 **West Virginia**
.5 **Virginia**
.6 **North Carolina**
.7 **South Carolina**
.8 **Georgia**
.9 **Florida**

976 South central or Gulf
.1 **Alabama**
.2 **Mississippi**
.3 **Louisiana**
.4 **Texas**
.5
.6 **Oklahoma. Indian Territory**
.7 **Arkansas**
.8 **Tennessee**
.9 **Kentucky**

977 North central or Lake
.1 **Ohio**
.2 **Indiana**
.3 **Illinois**
.4 **Michigan**
.5 **Wisconsin**
.6 **Minnesota**
.7 **Iowa**
.8 **Missouri**
.9

978 Western or Mountain
Including general works on "the West."

.1 **Kansas**
.2 **Nebraska**
.3 **South Dakota**
.4 **North Dakota**
.5
.6 **Montana**
.7 **Wyoming**
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990 Oceanica. Polar regions

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992 Sunda
993 Australasia
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995 New Guinea
996 Polynesia
997 Isolated islands
998 Arctic regions
999 Antarctic regions

RELATIV SUBJECT INDEX

HOW TO USE THIS INDEX

Find the subject wanted in its alfabetic place in the index. The number after it is its class number and refers to the place where the topic will be found, in numerical order of class numbers, on the shelves, shelf-lists or in the subject catalog, if used. All class numbers are decimal; e. g. 914.29 travel in Wales, comes before 914.3 travel in Germany, and both of them before 915 travel in Asia. Printed labels on the shelves or drawer fronts guide readily to the class number sought.

Under this class number will be found the resources of the library on the subject desired. Other adjoining subjects may often be profitably consulted; e. g. a description of Niagara Falls is wanted and the index refers to 917.47, but much on this topic is likely also to be found in 917.4 (travel in north Atlantic states) and even in 917.3 (travel in United States).

This index contains

in a single alfabet all subjects named in the tables, together with their synonyms and such other topics as are thought most likely to be needed by libraries using this abridgment.

If nothing is found under a number, it shows that the library does not yet possess any book on that topic.

It does not include

all names of places, minerals, plants, etc.; but gives only those used in these tables and a farther selection of the most common and useful. It is not a biografic dictionary, and gives **no names of persons** as biografic headings, but only such as appear in connection with some subject like literature or history.

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